

RESEARCH PUBLICATIONS OF THE FACULTY

DEPARTMENT OF ANCIENT HISTORY, CULTURE & ARCHAEOLOGY

- Roy, A. (2017), *Manifestation of Radha in the Brahma Vaivarta Purana*. “Aesthetics in Art” (Bhartiya Kala me Saundarya Darshan). Allahabad National Museum.
- Roy, A. (2017). *Amaravati: Unseen Passages*. “Encyclopedia of Religion: Buddhism and Jainism”. Springer.

DEPARTMENT OF ANTHROPOLOGY

- Purkait, R. (2016). External Ear : An analysis of its uniqueness. *Egyptian Journal of Forensic Sciences*, 6 (2): 99-107.
- Joshi P.C., Khattri P. and Sharma K. (2016). Social Response to Extreme Weather Events: Some Empirical Evidences from India. *The Eastern Anthropologist*, 69, 3-4.
- Khattri P. (2016). The Cognitive Dimension of Climate Change and Sustainable Development. *World Focus*. Number 442. October Special Issue.
- Khattri P. (2016). Locating Floods and Droughts in Uttar Pradesh within the Vulnerability Paradigm of Understanding Disasters. *World Focus*. Number 437. May Issue.
- Patel, R. (2015) Report of Second L.P.Vidyarathi Memorial Symposium. *Indian Anthropologist* Vol.45.No.2, 101-102.
- Misra, R and Patel, R. (2016) Correlating HIV/AIDS with Nutrition and Food Habits: Challenges and Recommendations. *Voice of Intellectual Man (An International Journal)* Vol.6, No.1,53-68
- Suchi and Patel, R. (2016) Mahila Shasaktikaran aur Manrega: *Allahabad zile ki grameen krishi shramik mahilaon ke sandarbh mein*. *Manav*. Vol.34, No.1 & 2.(accepted)
- Patel, R. (2016) A Century of Continuity and Change: The Todas of Udhagaman-dalam. *Samajbodh* Vol.6, No.1, 145-151.
- Patel, R. (2016) An Anthropological look into the Demography and Practices related to Maternal and Child Health among the Jaunsarese of Uttarakhand (India). *Indian Journal of Physical Anthropology and Human Genetics*, Vol. 35. No. 1.
- Patel, R. (2016) Remembering M. N. Srinivas in the centenary year (November 16, 1916 – November 30, 1999). *Voice of Intellectual Man (An International Journal)* Vol.6, No.2, 105-116.
- Patel, R. (2016) Bharat Ke Badalte Gaon. *Anthropolitan*. Vol 2, 2-2.
- Kumar, S and Patel, R. (2016). Toda Rajnaitik Sangathan: Parampara evam Aadhunika ka Sangam. *The Asian Man* (an international journal): Vol.10, No 2, 253-263.
- Shukla, R and Patel, R. (2016). Aapda Prabandhan mein Deshaj Gyantantra ki Bhoomika. *Samajik Nirvachan*, Year 3, Issue 5,107-116
- Som, N., Mishra SK, Mukhopadhyay, S (2016). Weight concerns and food habits of adolescent girls in two contrasting ecological regions: a comparative study in India. *Eating Behaviors*. 20 (1): 21-26. [Impact factor: 1.680]
- Mishra SK, Dasgupta D, Ray S (2016). A study on relationship of socio-cultural characteristics, menstrual hygiene practices and gynecological problems among adolescent girls in Eastern India. *International Journal of Adolescent Medicine and Health*. DOI 10.1515/ijamh-2015-0111. [De Gruyter, Germany; Impact factor: 0.80]
- Mishra S K (2016). Discourse on Naxalism in Indian states: An Overview. *The Equanimist*. 1 (2 & 3): 27-34. [Oriental Institute of Human Development, India]
- Moharana, K. C. (2016). Climate Change and Sustainable Development: Questioning the Culture of Consumption. *World Focus*, October 2016, Pp 98-103.
- Singh, N and Patel, R. (2016) Ethnicity, Identity and Nation Building: A Study with special reference to the Todas of Nilgiri Hills. *In Ethnicity, Nationalism and The State in South Asia* (edited by M.Jha) New Delhi: Victorious Publications.
- Moharana, K. C. (2016). Enquiring the “Social” in mental illness: From explanation to explanatory model. In: *Dimensions of Health* (Edited by Patel R and Misra R). Pp 96-111. Lucknow: New Royal Book.

DEPARTMENT OF ARABIC AND PERSIAN

- R., Saleha, (2016). Tafheem. Arshia Publications.
- R., Saleha, (2016). Numayendae Niswane Irani-Simin Bahbahani. Dabeer (ISSN: 2394-5567) Vol. III, Issue III, July to September 2016, Lucknow.
- R., Saleha, (2016). Zikre Arifat us Salehat aur Rabia Basr. Bazme Adab (ISSN: 2394-8000), vol. 21, Aligarh.
- R., Saleha, (2016). IAS Muqablajati Imtehanat aur Muslim Aqaliyyat. Tahzibul Akhlaq (ISSN-2348-2257), vol. 35, Issue 11.
- R., Saleha, (2016). Charagh Jaltey nahi Jalaye Jatey hain. Adab Silsila, (ISSN-2456-0359), vol.1, Issue 2, July to December, 2016.
- R., Saleha, (2016). Gulshane Bekhar-Ek mutalea. Tahqeeq Research Journal, (ISSN-2278-2613), July to September 2016.
- Mirza, Mahmood H.A.R. (2016). "The importance of forethought in the Quran and the contemplation of its meanings", Sautul Ummah.
- Mirza, Mahmood H.A.R. (2016). "Romanticism in the poetry of Ghazi Al- Qusaibi", Al - Baas –el- Islami.
- Mirza, Mahmood H.A.R. (2016). "Darul Musannefeen and its contribution to the promotion of Arabic Language", (1st Part), Al - Baas –el- Islami.
- Mirza, Mahmood H.A.R. (2017). "Darul Musannefeen and its contribution to the promotion of Arabic Language", (2nd Part) Al - Baas –el- Islami.
- Mirza, Mahmood H.A.R. (2017). "Biography of the Mothers of the Believers: A Model for Muslim Women", (1st Part) Al - Baas –el- Islami.
- Mirza, Mahmood H.A.R. (2016). "Shibli Nomani's Political Thoughts", Page No. 495, in Urdu, Published in a book named: "Mutaleaate Shibli" Compiled by Prof. Ishtiyah Ahmad Zilli, Shibli Academy, Azamgarh, (ISBN: 978-93-82201-94-6).
- Mirza, Mahmood H.A.R. (2016). "Islamic Life of Mothers of Believers an Ideal to us", in Urdu, Published in a book named: "Syratu Ummahatul Momenin" compiled by Dr. Mohd. Tahir, published by farid Book Depot (Pvt.) Ltd. N. Delhi, (ISBN No. 817801877-2).

DEPARTMENT OF ENGLISH & MODERN EUROPEAN LANGUAGES

- Sharma, S.K. (2016). "Sandwiched Discourse Between Macaulay and Gandhi: Perspectives on New Literatures", *New Literatures: Ethnicity, Culture and Identity*, ed. S G Puri, Jaipur: Yking, 2016, pp. 114-34, (ISBN: 978-93-85528-27-9).
- Sharma, S.K. (2016). "Between Scylla and Charybdis: English Studies in India", *Jodhpur Studies in English*, XIV, pp. 54-72, (ISSN: 0970-845X).
- Sharma, S.K. (2016). "Between Scylla and Charybdis: English Studies in India", *Indian Writing in English: A Kaleidoscope of Recent Criticism*, ed. Ajay Kumar Sharma, Jaipur: Yking, pp. 21-41, (ISBN: 978-93-85528-46-0).
- Sharma, S.K. (2016). "A Literary Critic That I Saw", *Jayakanta Mihra Samgya* (Hindi, Maithili and English), Ed. Ram Lochan Thakur and Navin Chaudhari. Kolkata: Mithila Sanskratik Parishad (ISBN: 978-81-931089-0-1).
- Sharma, S.K. (2016). "Antifeminism in Bernard Shaw", *Spectrum*, IV, 1 pp. 5-14. (Co-author: Rabindra Kumar Verma), ISSN: 2319-6076.
- Sharma, S.K. (2016). "Bubli Poems", *Searching For The Sublime: Poems From Australia and India*, Ed. Jaydeep Sarangi and Rob Harle, Allahabad, pp 143-150 ISBN: 978-93-8594534-2.
- Parghi, R. (2016). "Postcolonial Elements in Selected Indian Women Playwrights".
- Agarwal, S. (2016). *Mofussil Notebook, Poems*, Kolkata: Sampark (ISBN- 978-81-7768-020-1)
- Kapoor, J. (2016). "Women's Empowerment and Street Theatre", "Gender And Equity", Published by Rajarshi Tandon College.
- Sushil, G. (2017). Preface to "Where There's A Will " By Rashmi Jain, Authorpress.

DEPARTMENT OF EDUCATION

- Singh A. (2016). *Issues in Education*, Anubhav Publishing House, Allahabad.
- Singh A. (2016). *Qualitative Research and Phenomenology*, Bharat Book Center, Lucknow.

- Sahoo P.K. & Kumar. B. (2016). “विभिन्न स्तरों पर कार्यरत अध्याक शिक्षकों की सेवाकालीन शिक्षा में नवाचारिक व वास्तविक प्रशिक्षण की आवश्यकता का अध्ययन” Refereed International Research paper- “Shodh Sandarsh” Issue-04, Vol-II, pp 102-107 (ISSN NO-2319-5908).
- Sahoo P.K. (2016). “Inclusive Classroom: A Dynamic Concept Having Many Challenges in its Implementation in India”. In S. P. Gupta & Dinesh Singh (Eds) *Energizing Inclusive Education*. (ISBN: 978-818274-884-2), New Delhi: Pentagon Press.
- Sahoo P.K. (2016). A Study of Reasons behind Student’s non-attendance in Undergraduate Classes in University of Allahabad, Campus. *National Journal of Education*. Jan-Dec, 2016, Issue 07, Vol.7 & 8, (ISSN- 22293841).
- Singh A. (2016) “Bhartiyachintandhara me guru kasthan” Research and Studies, A Journal of Department of Education (ISSN :0084-621), Vol. 67..
- Yadav, S. (2016). Relevance of Internship in Teacher Education, APEAR Journal, (ISBN/ISSN 0975-8666), vol.14.
- Yadav, S. (2016). Crisis of Classroom Attendance: Contemporary Issue, IJELLH, (ISBN/ISSN 2321-7065), vol.IV, Issue XII
- Astalin, P. (2016) A Study of Reasons behind Student’s non – attendance in Undergraduate Classes in University of Allahabad, Campus. *National Journal of Education*, Issue 07, Vol.7 & 8. (ISSN- 2229-3841).
- Astalin, P. (2016). Nimmn tatha Uchch Prathamik star ke vidyarthiyon me paryavaran ke prati jagrukta ka tulanatmak adhdhyan. Shaikshiki: An International Journal of Educational Research. Vol. 2, No.2. (ISSN 2394-191X).
- Singh A. (2016) Dysgraphia: when learning hurts In Learning Disabilities: uncover the Myths, Eds BajpaiA. and Dwiwedi M., Kalpaz publications, New Delhi.
- Yadav, Saroj (2017), “Inclusive education for children with special educational needs”, In edited book- Education and Inclusion: A paradox of reality”, School of Education and training, Maulana Azad National Urdu University, Bhopal.
- Yadav, S. Energizing Inclusive Education through School Reforms. Energizing Inclusive Education, Edited by S.P. Gupta and Dinesh Singh, Pentagon Press, New Delhi, (ISBN 978-81-8274-884-2).

DEPARTMENT OF GEOGRAPHY

- Yadav, A K and Siddiqui, A.R. (2017) Level of Irrigation Development in Banda District, Journal of Institute of Landscape, Ecology & Ekistis, ILEL, Kolkata.
- Tiwari, P.K. & Siddiqui, A.R. (2017) A Spatial Analysis of Level of Food Security in a Fragile Ecosystem: A Case Study of Nagaur District in Indian Desert. Journal & Institute of Land Scape Ecology & Ekistics, ILEE, Kolkata (W.B.)
- Chaudhary, Ashwajeet and Azad, Pankaj. K. (2016). Delhi Metro Rail and Community Perception: A Geographical Perspective Indian Journal of Landscape Systems and Ecological Studies, 38(2), 177-184.

DEPARTMENT OF HINDI

- Ali, Mushtaque (2016). Nari Sashaktikaran: Kitni Haquiquat Kitna Fasana, in Hindustani a Trimonthly Journal by Hindustani Academy Allahabad.
- Srivastava, P.K. (2016). Reservations and neo-liberalism" in Prabhat Khabar, Deepawali special number, Ed-Ravibhushan, Ranchi.

DEPARTMENT OF MEDIEV& MODERN HISTORY

- Vishwakarma, P.L. (2016). "Sultanat Kaleen Arth Vyawastha : Ek Samalochna", Itihas (Hindi), ICHR, Vol. 2, No. 1 (ISSN- 2319-8818)
- Chaturvedi, Heramb (2016). Do Sultan, Do Badshah Aur Unka Pranay - Parivesh, Vani Prakashan, New Delhi, (ISBN - 978-93-5229-366-7).
- Chaturvedi, Heramb (2016). "Meera Bai ko Samjhne ki koshish". In 'Bhakti Kaal Ka Adhunik Sandarbh', ed. Santosh Kumar Chaturvedi, Sahitya Bhawan, Allahabad, 2016, (ISBN - 978-81-7779-466-3), PP-104 -112.
- Chaturvedi, Heramb (2016). "Swatantrata Poorv llahabad mein Patrakarita Ka Vikas" in Sahitya Amrit, February, 2016, (ISSN - 2455-1171), pp-10-15.
- Chaturvedi, Heramb (2016). "Uttar Pradesh Evam Krantikari Aandolan: Ek Sameekshan" in Sahitya Amrit, August 2016, (ISSN - 2455-1171), PP-80-86.
- Harijan, V. (2016). Kakatiya Kingdom in the Encyclopaedia of Empire, Wiley Black Well, London.

- Harijan, V. (2016). Labour Caste under the English Company in Madras in the 17th & 18th Centuries, in the Past of the Outcaste, Orient Black Swan, New Delhi.
- Harijan, V. (2016). Writing of South Indian History in Indian History with special reference to Kakatiya Kingdom, in Musings on South India, Meena Book Publication, New Delhi.
- Harijan, V. (2016). Mapping History and Historiography of Chola Period: An analysis on Historical methodology, in Silhouette of South Indian History, Archaeology, Epigraphy, Culture and Tourism, Preethi Press, Chennai.

DEPARTMENT OF PHILOSOPHY

- Sahu, Gopal (2016). *Rule-Following Skepticism in Contemporary Epistemology*, New Delhi, India: The Concept Publication.
- Pandey, Rishi Kant (2016). Ten Tyakten Bhunjithah. Samāja Dharma evam Darśana, Vol.33, No.1 – 4, pp. 12 – 18.
- Pandey, Rishi Kant (2016). Samatvam Yoga Uchayate. Sandarśana, Vol. 35, No. 1, pp. 61-75.
- Sahu, Gopal. (2016). Good Without Gods: A Defense of the “Euthyphro Dilemma”. Indian Philosophical Quarterly, Vol. 36, No-1-4, pp. 197-208.
- Maharana, Surya Kanta (2016). Arguments for the existence of unqualified Brahman in Advaita: An Exposition, Sandarshan, 35, 21-25.
- Pandey, Rishi Kant. (2016). Contemporary relevance of Sarva Dharma Sambhav. In: Applied Philosophy: Various Dimensions (edited by Vijay Kant Dubey). Pp. 138 – 163. New Delhi, India: New Bhartiya Book Corporation.
- Sahu, Gopal. (2016). A Defense of Media and Morality. In: Media and Morality (edited by Bijaya Kumar Nayak). pp. 48-60. Cuttack, India: Academic Publisher.
- Sahu, Gopal. (2017). Ambedkar on Buddhism,. In: The Relevance of B.R.Ambedkar and Buddhism in Modern times (edited by Subrata Duary). pp. 24-30. Calcutta, India: Kabitika Publisher.
- Maharana, Surya Kant. (2016). Buddhism as an Applied Moral Philosophy. In: Buddhist Applied Philosophy (edited by L. Udaya Kumar). Vol.1, pp. 153-163. New Delhi, India: Prestige Books International.
- Bhima Kumar.K. (2016). An Ethical Evaluation of ‘Abortion’ in Buddhism. In: Buddhist Applied Philosophy The 21st Century Response (edited by L. Uday Kumar), Vol.1, pp.222-229. New Delhi, India: Prestige Books International.

DEPARTMENT POLITICAL SCIENCE

- Shahid, Mohammad (2016). Prospect for Democracy in South Asia Today. Review of Politics. Vol. XXIV No. 1-2, Jan-June and July-Dec 2016. pp. 27-35. (ISSN 0972-1436).
- Gupta, Neha (2016). ‘Plight of Domestic Workers in Pre-Colonial and Colonial India’. Third Concept, An international Journal of Ideas. Volume 30 Issue 356, October 2016, .Pg 26. (ISSN 0970-7247).
- Gupta, Neha (2016). ‘Traditional skills and knowledge of ethnic women of north east India with special reference to their entrepreneurial skill and communicational enterprise’. Dimorian Review. Vol-3, Issue-5. (eISSN- 2394-9163),
- Gupta, Neha (2017). Woman and armed conflict situation: With special reference to Manipur’. Dimorian Review,. Vol-4, Issue-2, March-April 2017. pp. 37-45 (e ISSN- 2394-9163).
- Yadav, Vijendra Kumar (2016). Adhikaar evam Manav Adhikaar. Research Highlights. Vol. III (3), July-Sept. 2016. Pp 60-63. (ISSN : 2350-0611)
- Yadav, Vijendra Kumar (2016). Manav Adhikaarki Awadharnaka Vikas. Samajik Sandarsh. Vol. IV (3), July-Sept. 2016. Pp 79-82. (ISSN : 2348-0076)
- Yadav, Vijendra Kumar (2016). Bhutan mein Manav Adhikaar. Emerging Researcher. Vol. III (3), July-Sept. 2016. Pp 85-88. (ISSN : 2348-5590).
- Yadav, Vijendra Kumar (2016). Nepal mein Manav Adhikaar. AYAN – An International Multidisciplinary Quarterly Refereed Research Journal. Vol. III (3), July-Sept. 2016. Pp 71-77. (ISSN : 2347-4491)
- Yadav, Vijendra Kumar (2016). Maldives mein Manav Adhikaar. Sundries Research Mechanism. Vol. 3 (1), January -June 2016. Pp 82-85. (ISSN : 2348-6570)
- Yadav, Vijendra Kumar (2016). Bharatiya Videsh Nitievam Manav Adhikaar. Varanasi Management Review. Vol. II (2), April-June 2016. Pp 122-131. (ISSN : 2395-0390)
- Yadav, Vijendra Kumar (2016). Sri Lanka mein Manav Adhikaar. Shodh Drishti. Vol. 7 (8), October-December 2016. Pp 49-52. (ISSN : 0976-6650).

- Yadav, Vijendra Kumar (2016). Bangladesh mein Manav Adhikaar. *Interdisciplinary Journal of Contemporary Research*. Vol. 3 (5), October-November 2016. Pp 157-160. (ISSN : 2393-8358)
- Singh, Satyendra (2016). Vaishwik Pripekshyamein Upanishad Chintanki Aavashyakta. *Jan Sanchar Vimarsh*. Jan-June 2016. pp. 39-45. (ISSN : 2277-3932)
- Singh, Amit Kumar (2017). India-Pakistan Trade Relations & Make in India Initiative. *Changing Paradigm in Trade & Commerce in Respect of Make in India : Problems and Prospects* (ISBN 978-93-84999-15-5). Pp 13-17. Allahabad. Sanrachna Prakashan.

DEPARTMENT OF PSYCHOLOGY

- Singh, T. & Pande, N. (in press). Cognitive and Affective Attributes of Mental Imagery: An overview of the evidences. *International Journal of Social Sciences Reviews*.
- Azam, S. & Kumar, R. (2016). Influence of Human Resource Management Practices on Organisational Citizenship Behaviour. *International Journal of Research in Commerce & Management*, 7 (12), 45-48.
- Yadav, S. & Kohli, N. (2016). Spiritual Intelligence and Ethics in Negotiations. *Journal of Psychosocial Research*, 11 (1), 49-60.
- Tripathi, R.C., Mishra, R.C. and Bano, S. (2016). Hindu-Muslim relations in India. In *Mutual inter-cultural relations in plural societies*. (edited by J.W. Berry & K. Hanke). Cambridge, UK: Cambridge University Press.
- Yadav S., Kohli N. & Yadav A. (2017). Moral Character and Moral Decision Making: Mediating role of Emotional Climate and Organizational Identification”. In *Modernization in society upcoming trends* (edited by Ambalika Sinha & Ravindra Tripathi). p.p. 312-325. New Delhi: Sara Book Publication India.
- Gupta S & Punetha, D. (2017). Cognitive styles and self Concept among the orphans and street children. In *Modernization in society upcoming trends* (edited by Ambalika Sinha & Ravindra Tripathi). p.p. 312-325. New Delhi: Sara Book Publication India.
- Dalal, A. K. (2017). Social-Psychological Interventions to Change Disability Attitudes. In *Psychosocial Interventions for Health and Well-being* (edited by Girishwar Misra), New Delhi: Springer.
- Kohli, N. (2017) Culturally appropriate interventions to manage cancer. In *Psychosocial Interventions for Health and Well-being* (edited by Girishwar Mishra). New Delhi: Springer.
- Kumar, R. & Singh, S. (2016). Transgressive Behaviours in Organizations. In *Organizational Studies in India* (edited by R. C. Tripathi & R. Dwivedi). New Delhi: Orient Black Smith.
- Tripathi, R.C. (2016). Violence and the other: Contestations in multicultural societies. In *Perspectives on violence and othering in India* (edited by R.C. Tripathi & P. Singh). pp 3-28. New Delhi: Springer.
- Tripathi, R.C. & Dwivedi, R. (2016). Organizational studies in India: Towards a multi-lense perspective. In *Organizational studies in India* (edited by R.C. Tripathi & Rohit Dwivedi). pp.1-36. Hyderabad: Orient Blackswan.
- Tripathi, R.C. & Mishra, R.C. (2016). Acculturation in South Asia. In *The Cambridge handbook of acculturation psychology* (edited by D.L. Sam & J.W. Berry) (2nd ed.). pp. 337-354. Cambridge: Cambridge University Press.
- Misra, G. & Dalal, A.K. (Eds.) (in press), *Psychology for India: Select Essays of Professor Durganand Sinha*, Publisher: Sage India, New Delhi.
- Tripathi, R.C. & Singh, P. (Eds.) (2016). *Perspectives on Violence and Othering in India*. New Delhi: Springer.
- Tripathi, R.C. & Dwivedi, R. (Eds.) (2016). *Organizational Studies in India*. Hyderabad: Orient BlackSwan.

DEPARTMENT OF SOCIOLOGY

- Saxena, Ashish (2016). Book Review of *Governance in South Asia – State of the civil services* by K.S. Chalam (ed.), *Sociological Contemporary South Asia*.
- Saxena, Ashish (2016). Book Review of *The Subaltern speaks: Truth and ethics in Mahasweta Devi’s fiction on tribals* by Sanatan Bhowal (ed.), *Sociological Bulletin*, Vol. 65, No. 3 Sept-Dec.
- Saxena, Ashish (2016). ‘Issues on social justice and the marginalized: contextualizing scheduled castes in J&K state’, in M.P. Dube (ed) *Social Justice in India: Emerging Issues*, Rawat Publisher, New Delhi.
- Saxena, Ashish (2016). ‘Changing situations of Dalit identities in J&K State: Some reflections’, in Amarnath Paswan (ed) *Social and political aspects of community consciousness*, Victorious Publisher, New Delhi (ISBN 978-93-84224-56-1).
- Saxena, Ashish (2016). ‘Anticipating Alternative development through multimedia technologies: Perspectives from rural India’, in ‘G. Ram (ed.) “Emerging perspectives on development in India, Winshield Press, New Delhi (ISBN: 978-81-930-7037-6).

- Saxena, Ashish (2017). "Adhunik Bharat me Dharmikta evam Swachta: Ek Samajshastriya Paripeksh" in 'Bhartiya Samajshastra Sameeksha' (under Bhartiya Samajshastra Parishad); January To June, Volume 4 (2); (ISSN: 2349-1396).

DEPARTMENT OF URDU

- Hameed, Shabnam (2016). Intekhab-e- Ghazaliyat part 1 (Edited Book)
- Hameed, Shabnam (2016). Urdu Ke Adab Sahafat Urdu Duniya
- Hameed, Shabnam (2016). Urdu Ke Behtareen Afsane edited by Dr.Sanjay Kumar 2016
- Hameed, Shabnam (2016). Rooh Ka Saya (Creative) by Zafarullah Ansari.
- Hameed, Shabnam (2016). Ajnabi Khawab Ke Chahra (Edited) by Dr. Zafarullah Ansari
- Ansari, Zafarullah. Hameed Vaishalwi Hayat Aur Karname
- Hameed, Shabnam, Ghalib Waquet-o- Hadsaat Ke Aaine Mein, Kitab Numa Delhi.
- Hameed, Shabnam. Ravindar Nath Tagor Ki Afsane Nigari, Qaumi Zaban Telangana.
- Hameed, Shabnam (2016). Krishna Chandra Ke Afsane Me Kirdar Sazi Urdu
- Ansari, Zafarullah. Hazrat Turab Ali Qalandar Ki Shayeri.
- Ansari, Zafarullah. Asnafe-e- Adab 2347-8977
- Shamsi, Rizwana. Wadiy Chenab ki adabi khidmat wafa bhadarwahi ki shairi wa shakhsiyat k ayne main pg no 408-417
- Shamsi, Rizwana. Ryasate Jammu Kashmir ki wadiye chehab main urdu zabano adab.

DEPARTMENT OF COMMERCE & BUSINESS ADMINISTRATION

- Roy, Ramendu (2016) – "Shodh Karyapranali", Provalika Publications, Allahabad, (ISBN:978-93-84292-25-6).
- Soodan, V., Pandey, Akhilesh Chandra (2017).Impact Assessment of Leadership Style on Job Satisfaction of NGO Employees in Uttarakhand-India. *IRA-International Journal of Management & Social Sciences*,6(1), pp.6-12. (ISSN : 2455-2267), doi:http://dx.doi.org/10.21013/jmss.v6.n1.p2
- Pandey, Akhilesh Chandra.,Jamwal Mohit, SoodanVishal (2016) Perceptions Towards Corruption :A Study of Stakeholders of Higher Education Institutions, *Review Journal of Philosophy & Social Science*, Vol. 41, 2016, (ISSN (e): 2454-340342)
- Bahuguna, Rahul, Pandey, Akhilesh Chandra, Soodan, V.(2016). A Study on Socio- Economic impact of Mgnrega on beneficiaries in Rudraprayag district of Uttarakhand-India, *International Journal of Management and Applied Science*, 2(10), (ISSN:2394-7926), October. pp. 44-47 *Journal Impact factor – 3.98*
- Jamwal Mohit, Pandey, Akhilesh Chandra, (2016), Understanding the impact of Demographics on Post-purchase Cognitive dissonance, *Research Journal of Management Sciences*,5(4),1-6, (April), (ISSN:2319–1171) [Impact factor- 0.676]
- Maxwell. S. (2016). Customer Experience Management, *International Journal of Advanced Scientific Technologies, Engineering and Management Sciences*, 2, 5-10.
- Pandey, A. C. & Soodan,V., Jamwal, M. (2016) "Higher Education : Quality Management and Social Accountability", Editor: S.S. Rawat, Winsar Publication, Dehradun.
- Akhilesh Chandra Pandey, J. Narayan, M. Jamwal (2017). *Investigating the dissonance segments of smartphone buyers : their impact on satisfaction and loyalty* in 8th International conference by Prestige Institute of Management, Gwalior,Vol-2, (ISBN 978-93-85000-81-2).

DEPARTMENT OF ECONOMICS

- "Book Problems and Prospects of Business process outsourcing in Indian since 1990" by Dr. Pradeep Kumar Singh MANAK Publication Pvt. Ltd., New Delhi (ISBN 9789378314278)

DEPARTMENT OF LAW

- Mishra, JP (2017). My Language, My Lord! The Journal of Indian Thought and Policy Research, 1, 37-49 [ISSN: 2230-7001].
- Mishra, A. (2016). Protection of the Interstate of the Employees of Media Industry and freedom of Speech's Expression. *ILI Law Review*, 113-129, (e-ISSN-0976-1489).
- Verma, N.P. (2016). Water Pollution In India: An Overview. *Environment : Challenges And Protection* (Edited Dr. Babita Baeraiya And Anjali Agrawal). PP : 47-57. Lucknow, Veer Bahadur Publication, (ISBN : 978-93-84817-81-7).

- Lal, Roshan. (2016). Principals of Environment Protection In India – Judicial Panorama In Human Rights Perspective. Environment : Challenges And Protection (Edited Dr. Babita Baeraiya And Anjali Agrawal). PP: 199-213, Lucknow, Veer Bahadur Publication (ISBN: 978-93-84817-81-7).
- Kumar A. (2017) Right To Information Act : A Tool for Good Governance. Right to Information Act : Implementation and Challenges (edited Prof. (Dr.) S.K. Nanda) pp. 51-58, Cuttack The Law House OJR Publishing Company (ISBN 978-93-85571-32-9).
- Singh, A (2017), An overview of Corporate Social Responsibility. Changing Paradigm in Trade & Commerce in Respect of Make in India: Problems and Prospects. pp 341-52; Department of Commerce Ewing Christian College, Allahabad.
- Singh, H. (2017) Freedom of trade and commerce and regulatory and taxing power of the state. Changing Paradigm in Trade & Commerce in Respect of Make in India : Problems and Prospects. pp 307-316; Department of Commerce Ewing Christian College, Allahabad.

DEPARTMENT OF BIOCHEMISTRY

- Gupta, KK, Maurya, S, Agarwal, S, Kushwaha, A, Kumar, R, Pandey A.K., et al. (2016) Antioxidant Assessment of Extracts Obtained through Hot Extraction Process. Cellular and Molecular Biology 62 (3), 1-5 (1000129).
- Sharma, UK, Sharma, AK, Pandey, AK (2016) Medicinal attributes of major phenylpropanoids present in cinnamon. BMC complementary and alternative medicine 16 (1), 156
- Bais, SS, Lawrence, K, Pandey, AK (2016) Phytoremediation Potential of Eichhornia crassipes (Mart.) Solms. International Journal of Environment, Agriculture and Biotechnology, 1(2): 210-217...
- Sharma, UK, Pandey, AK (2016) Antioxidant and antibacterial activities of cinnamic aldehyde and eugenol Journal of the Kalash Science 4 (1), 7-11.
- Sharma, AK, Sharma, UK, Pandey, AK (2017) Protective effect of Bauhinia variegata leaf extracts against oxidative damage, cell proliferation and bacterial growth. Proceedings of the National Academy of Sciences, India Section B: Biological Sci. 87:45-51.
- Singh, AK, Kashyap, MP, Tripathi, VK, Singh, S, Garg, G, Rizvi, SI (2017) Neuroprotection through rapamycin-induced activation of autophagy and PI3K/Akt1/mTOR/CREB signaling against amyloid- β -induced oxidative stress, synaptic/neurotransmission dysfunction, and neurodegeneration in adult rats. Molecular neurobiology, 1-14.
- Garg, G, Singh, S, Singh, AK, Rizvi, SI (2017) Metformin alleviates altered erythrocyte redox status during aging in rats. Rejuvenation research 20 (1), 15-24.
- Singh, P, Pandey, KB, Rizvi, SI (2016) Curcumin: the yellow molecule with pleiotropic biological effects. Letters in Drug Design & Discovery 13 (2), 170-177.
- Mishra, N, Kumar, D, Rizvi, SI (2016) *Protective effect of Abelmoschus esculentus against alloxan-induced diabetes in Wistar strain rats.* Journal of dietary supplements 13 (6), 634-646
- Singh AK, Singh, S, Garg, G, Rizvi, SI (2016) *Rapamycin alleviates oxidative stress-induced damage in rat erythrocytes.* Biochemistry and Cell Biology 94 (5), 471-479
- Garg, G, Singh, S, Singh, AK, Rizvi SI (2017) *Antiaging effect of metformin on brain in naturally aged and accelerated senescence model of rat.* Rejuvenation research
- Singh, S, Pandey, KB, Rizvi, SI (2016) *Erythrocyte senescence and membrane transporters in young and old rats.* Archives of physiology and biochemistry 122 (4), 228-234.
- Das, U, Behera, SS, Singh, S, Rizvi, SI, Singh AK (2016) *Progress in the Development and Applicability of Potential Medicinal Plant Extract-Conjugated Polymeric Constructs for Wound Healing and Tissue Regeneration.* Phytotherapy Research
- Singh, P, Kesharwani, PK, Misra, K, Rizvi SI (2016) *Modulation of Erythrocyte Plasma Membrane Redox System Activity by Curcumin.* Biochemistry research international 2016
- Tiwari, BK, Abidi, AB, Rizvi, SI, Pandey, KB, (2017) Phytochemical screening and evaluation of antioxidant potentials of some Indian medicinal plants and their composite extract. Annals of Phytomedicine-An International Journal 5 (1), 99-103
- Singh, AK, Garg, G, Singh, S, Rizvi, SI (2017) *Synergistic effect of rapamycin and metformin against age-dependent oxidative stress in rat erythrocyte.* Rejuvenation Research

- Singh, AK, Bissoyi, A, Kashyap, MP, Patra, PK, Rizvi, SI (2017) *Autophagy Activation Alleviates Amyloid- β -Induced Oxidative Stress, Apoptosis and Neurotoxicity in Human Neuroblastoma SH-SY5Y Cells*. Neurotoxicity research
- Kumar, D, Rizvi, SI (2017) *Black tea supplementation augments redox balance in rats: relevance to aging*. Archives of Physiology and Biochemistry, 1-7
- Mohammed, A, Pandey, KB, Rizvi, SI (2017) *Effect of Phytochemicals on Diabetes-Related Neurological Disorders*. Neuroprotective Effects of Phytochemicals in Neurological Disorders, 283
- Mohammed, A, Rizvi SI (2017) *Anti-diabetic efficacy of young and mature leaf extract of Mangifera indica*. Asian Journal of Traditional Medicines 12 (1)
- Sharma, Bechan and Singh, Shweta (2016) HIV-AIDS and aging.Challenges and management. *Journal of Human Virology and Retrovirology* 3(5): 1-6; 00109
- Singh, Shweta, Sharma Bechan and Siddiqi, Nikhat (2016) Hydrazones as prospective anti-HIV agent. *European Journal of Biomedical and Pharmaceutical Sciences*. 3(4): 454-458.
- Gupta, VK and Sharma, B (2017). Role of Phytochemicals in Neurotrophins Mediated Regulation of Alzheimer's Disease. *Int J Complement Alt Med* 7(4): 00231
- Jaiswal S.K., Gupta V.K., Ansari Md D., Siddiqi N.J., Sharma B. (2017) Vitamin C acts as a Hepatoprotectant in Carbofuran Treated Rat Liver Slices I vitro. *Toxicology Reports* 4 (2017) 265–273 <http://dx.doi.org/doi:10.1016/j.toxrep.2017.06.001>
- Singh M, Sharma B. and Tiwari PK (2017) Small heat shock proteins: Present understanding and future prospective. *Journal of Thermal Biology* (DOI: 10.1016/j.jtherbio.2017.06.004).
- Gupta, VK, Singh, Reetika and Sharma, B. (2017) Phytochemicals mediated signaling pathways and their implications in cancer chemotherapy: challenges and opportunities in phytochemicals based drug development: A review. *Biochemical Compounds* (Published online)
- Tiwari, R, Singh, RS, Pandey RS and Sharma. (2016) Enzymes of Earthworm as Indicators of Pesticide Pollution in Soil. *Advances in Enzyme Research*, 4, 113-124.
- Kumar., B.Sharma, S.I.Rizvi. (2016) Protective role of black tea and vitamin C during sub-acute toxicity of carbofuran in rats. *PROG HEALTH SCI* 6(2):published online
- Sharma B, Gupta VK (2016) Modulations of Mammalian Brain Functions by Antidepressant Drugs: Role of Some Phytochemicals as Prospective Antidepressants. *Evidence Based Medicine and Practice* 2: 003. doi:10.4172/ebmp.1000003
- Vivek Kumar Gupta, Bechan Sharma (2016). Alleviation of Acute Poisoning of Organophosphates in Humans. *Anatomy Physiology Biochemistry International Journal* 1(2): 555558.
- Pramod K Singh, Nidhi Shrivastava, Krishna Chaturvedi, Bechan Sharma and Sameer S Bhagyawant (2016) Characterization of seed storage proteins from chickpea using 2D electrophoresis coupled with mass spectrometry. *Biochemistry Research International* (Published online)
- Jaiswal, S.K., Siddiqi, N.J. and Sharma, B. (2016) Studies on the ameliorative effect of curcumin on carbofuran induced perturbations in the activity of lactate dehydrogenase in wistar rats. *Saudi Journal of Biological Sciences* (Published online) doi:10.1016/j.sjbs.2016.03.002
- Gupta, VK, Kumar, Abhishek, Siddiqi, Nikhat J and Sharma B. (2016) Rat brain acetylcholinesterase as a biomaker cadmium induced neurotoxicity. *Open Access Journal of Toxicology* 1 (1) (Published online).
- Jaiswal, SK, Sharma, Ashish, Gupta, VK, Singh, RK and Sharma, Bechan (2016) Curcumin mediated attenuation of carbofuran induced oxidative stress in rat brain. *Biochemistry Research International* (Published online).
- Gupta , VK and Sharma, B. (2017). Role of Phytochemicals in Neurotrophins Mediated Regulation of Alzheimer's Disease. *Int J Complement Alt Med* 2017, 7(4): 00231.

DEPARTMENT OF BOTANY

- **Shukla, D. N.,** Singh, H. and Srivastava, V. (2017). *Ganga and Its Major Tributaries (Current Status of Water and Sediment Quality)* Published by Rahul Computer World, Civil Line, Allahabad, India (ISBN: 9789385566103)
- **Shukla, D. N.,** Srivastava, V. and Singh, H. (2017). *Ganga and Prayag (Water Quality Monitoring and Management)* Published by Rahul Computer World, Civil Line, Allahabad, India (ISBN: 978-93-85566-11-0.)

- Arif, N., Yadav, V., Singh, S., Singh, S., Ahmad, P., Mishra, R. K., Sharma, S., Tripathi, D. K., Dubey, N. K. and **Chauhan, D. K.** (2016). Plant growth and development vs. high and low levels of plant-beneficial heavy metal ions. *Frontiers in Environmental Science*, 4, 69.
- Kumar, R., Shukla, S. K., Pandey, A., Pandey, H., Pathak, A. and **Dikshit, A.** (2016). Dermatophytosis: Infection and preventions- A review. *International Journal of Pharmaceutical Sciences and Research*. 6: 3218-3225.
- Parihar, P., Singh, R., Singh, S., Tripathi, D.K., **Chauhan, D. K.**, Singh, V.P. and **Prasad, S.M.** (2016). Photoreceptors mapping from past history till date. *Journal of Photochemistry and Photobiology B: Biology*, 162, 223-231.
- Singh, A. and **Prasad, S.M.** (2016). Nanotechnology and its role in agro-ecosystem: a strategic perspective. *International Journal of Environmental Science and Technology*, DOI 10.1007/s13762-016-1062-8.
- Singh, A., Parihar, P., Singh, R. and **Prasad, S.M.** (2016). An Assessment to show Toxic Nature of Beneficial Trace Metals: Too much of good thing can be bad. *International Journal of Current Multidisciplinary Studies*, 2, 141-144.
- Singh, A., Singh, S. and **Prasad, S.M.** (2016). Scope of Nanotechnology in Crop Science: Profit or Loss. *Research and Reviews: Journal of Botanical Sciences*, 5, 1-4.
- Singh, M., Singh, A., **Prasad, S. M.**, and Singh, R. K. (2017). Regulation of plant metabolism in response to salt stress: an omics approach. *Acta Physiologiae Plantarum*, 39, 48.
- Singh, R., Parihar, P., Singh, S., Mishra, R. K., Singh, V. P. and **Prasad, S. M.** (2017). Reactive oxygen species signaling and stomatal movement: Current updates and future perspectives. *Redox Biology*, 11, 213-218.
- Singh, R., Singh, S., Parihar, P., Mishra, R.K., Tripathi, D.K., Singh, V.P., **Chauhan, D. K.** and **Prasad, S.M.** (2016). Reactive Oxygen Species (ROS): Beneficial Companions of Plants' Developmental Processes. *Frontiers in Plant Science*, 7, 1299.
- Singh, S., Singh, A., Bashri, G. and **Prasad, S.M.** (2016). Impact of Cd stress on cellular functioning and its amelioration by phytohormones: An overview on regulatory network. *Plant Growth Regulation*, 80, 253-268.
- Singh, S., Tripathi, D. K., Dubey, N. K. and **Chauhan, D. K.** (2016). Effects of Nano-Materials on Seed Germination and Seedling Growth: Striking the Slight Balance Between the Concepts and Controversies. *Materials Focus*, 5(3), 195-201.
- Singh, S., Tripathi, D. K., Singh, S., Sharma, S., Dubey, N. K., **Chauhan, D. K.** and Vaculík, M. (2017). Toxicity of aluminium on various levels of plant cells and organism: a review. *Environmental and Experimental Botany*, 137, 177-193.
- Tripathi, A., Tripathi, D. K., **Chauhan, D. K.**, Kumar, N. and Singh, G. S. (2016). Paradigms of climate change impacts on some major food sources of the world: A review on current knowledge and future prospects. *Agriculture, Ecosystems & Environment*, 216, 356-373.
- Tripathi, D. K., Singh, S., Singh, S., **Chauhan, D. K.**, Dubey, N. K. and Prasad, R. (2016). Silicon as a beneficial element to combat the adverse effect of drought in agricultural crops. *Water Stress and Crop Plants: A Sustainable Approach*, 682-694.
- Tripathi, D. K., Singh, S., Singh, S., Dubey, N. K. and **Chauhan, D. K.** (2016). Impact of Nanoparticles on Photosynthesis: Challenges and Opportunities. *Materials Focus*, 5(5), 405-411.
- Tripathi, D.K., Singh, S., Singh, S., Pandey, R., Singh, V.P., Sharma, N.C., **Prasad, S.M.**, Dubey, N.K. and **Chauhan, D. K.** (2017). An overview on manufactured nanoparticles in plants: Uptake, translocation, accumulation and phytotoxicity. *Plant Physiology and Biochemistry*, 110, 2-12.
- Tripathi, D. K., Tripathi, A., Shweta, Singh, S., Singh, Y., Vishwakarma, K., Yadav, G., Sharma, S., Singh, V. K., Mishra, R. K., Upadhyay, R. G., Dubey, N. K., Lee, Y. and **Chauhan, D. K.** (2017). Uptake, accumulation and toxicity of silver nanoparticle in autotrophic plants, and heterotrophic microbes: A concentric review. *Frontiers in microbiology*, 8, 7.
- **Yadav, D. K.**, Yadav, N., Yadav, S., Haque, S., Tuteja, N. (2016). An insight into fusion technology aiding efficient recombinant protein production for functional proteomics. *Archives of Biochemistry and Biophysics*, 612, 57-77.
- Alam, S., Seth, R. K. and **Shukla, D. N.** (2016). Increases of seed germination of paddy from indigenous plant extract. *International Journal of Science and Nature*, 7(3), 664-668.
- Bajpai, S., Tiwari, A., Singh, H. and **Shukla, D. N.** (2016). Isolation and Identification of fungal disease in Cucurbits of Allahabad Urban Area, Uttar Pradesh. *The Ecoscan- International Journal of Environmental Sciences*, 9.

- Bano, C., Amist, N., Sunaina and **Singh, N. B.** (2017). UV-B radiation escalate allelopathic effect of benzoic acid on *Solanum Lycopersicum* L. *Scientia Horticulturae*,220, 199–205.
- Bano, C., **Singh, N. B.** and Sunaina (2016). Differential responses of pea seedlings to salicylic acid under UV-B stress. *Tropical Plant Research*,3(3), 586–591.
- Bashri, G. and **Prasad, S. M.** (2016). Exogenous IAA differentially affects growth, oxidative stress and antioxidants system in Cd stressed *Trigonella foenum-graecum* L. seedlings: Toxicity alleviation by up-regulation of ascorbate-glutathione cycle. *Ecotoxicology and Environmental Safety*, 132, 329–338.
- Bashri, G., Parihar, P., Singh, R., Singh, V. P. and **Prasad, S. M.** (2016). Physiological and biochemical characterization of two *Amaranthus* species under Cr(VI) stress differing in Cr(VI) tolerance. *Plant Physiology and Biochemistry*, 108, 12-23.
- **Bhowmik, N.** and Sinha, S. (2016). *Jungermannia gollanii* Steph. (Jungermanniaceae, Marchantiophyta) – A new report from Terai region in Uttar Pradesh (U.P.), India. *Taiwania* 61(2): 165–171.
- Cheung, W. W., Rondinini, C., **Avtar, R.**, van den Belt, M., Hickler, T., Metzger, J. P., Scharlemann, J. P., Velez-Liendo, X., Yue, T., Wang, Y. F. and Zhao, N. (2016). Linking and harmonizing scenarios and models across scales and domains. IPBES Deliverable 3c (Accepted).
- Das, P., Sarma, K. P., **Jha, P. K.**, Ranjan, R., Herbert, R. and Kumar, M. (2016). Understanding the Cyclicity of Chemical Weathering and Associated CO₂ Consumption in the Brahmaputra River Basin (India): The Role of Major Rivers in Climate Change Mitigation Perspective. *Aquat Geochem* 22: 225. doi:10.1007/s10498-016-9290-6.
- **Dikshit, A.**, Qidwai, A., Pandey, M., Shukla, S. K., Kumar, R. and Pandey, A. (2017). Risk factor Assessment for Acne vulgaris in Human and Implications for Public Health Interventions in north central India: a Survey-Based Study. *Asian J Pharm Clin Res*, 10(5), 1-6.
- Hussain, I., **Singh, N. B.**, Singh, A. and Singh, H. (2017). Allelopathic potential of sesame plant leachate against *Cyperus rotundus* L. *Annals of Agrarian Science*,15, 141-147.
- Hussain, I., **Singh, N. B.**, Singh, A., Singh, H., Singh, S. C. and Yadav, V. (2017). Exogenous application of phytosynthesized nanoceria to alleviate ferulic acid stress in *Solanum lycopersicum*. *Scientia Horticulturae*,214, 158–164.
- Kaur, J., Rawat, A., Kumar, S., Renu and **Narain, S.** (2016). Taxonomy, Phytochemistry, Traditional Uses and Cultivation of *Ipomoea aquatica* Forsk. *Imperial Journal of Interdisciplinary Research*, 2(10), 408- 412.
- Kumar, D. and **Chauhan D. K.** (2016). Seedling Morphology of two important Medicinal Plant Species of *Wrightia* R.Br. (Apocynaceae) and its Taxonomic Significance, *Geophytology* 46(2), 157-162.
- **Kumar, K. S.** and Shin, K. (2017). Toxicity, extra-intracellular accumulation of iron and zinc influenced by copper on marine microalgae *Tetraselmis suecica*. *Korean Journal of Ecology and Environment*, 50(1): 16-28.
- Kumar, M., Herbert, R., **Jha, P. K.**, Deka, J. P., Rao, M. S., Ramanathan, A. L. and Kumar, B. (2016). Understanding the Seasonal Dynamics of the Groundwater Hydrogeochemistry in National Capital Territory (NCT) of India Through Geochemical Modelling. *Aquat Geochem*. 22: 211. doi:10.1007/s10498-016-9289-z.
- Kumar, P., Herath, S., **Avtar, R.** and Takeuchi, K. (2016). “Mapping of groundwater potential zones in Killinochi area, Sri Lanka, using GIS and remote sensing techniques”. *Sustainable Water Resource Management*, DOI 10.1007/s40899-016-0072-5.
- Kumar, P., Pandey, R., Singh, H., Raghuvanshi, D., Tripathi, B., Shukla, U. and **Shukla, D. N.** (2016). Physiochemical Characteristic of river Alakananda, Uttarakhand, India. *International Journal of Current Research*, 8(12).
- Kumar, P., Saraswat, C., Mishra, B. K., **Avtar, R.**, Patel, H., Patel, A., Sharma, T. and Patel, R. (2016). “Batch technique to evaluate the efficiency of different natural adsorbents for defluoridation from groundwater”. *Applied Water Science*, DOI 10.1007/s13201-016-0473-5
- Kumar, R., Shukla, S. K., Pandey, M., Pandey, A., Pathak, A. and **Dikshit, A.** (2016). Synthesis and antimicrobial effects of colloidal gold nanoparticles against prevalent water borne bacterial pathogens. *Cogent Chemistry*, 2, 1192522.
- Kumar, Y. and **Chauhan, D. K.** (2016). An Efficient Approach of Fourier Transform Infrared Spectroscopy for Analysis of Lignin Derivatives in the *Vertebraria indica* Royle. *National Academy Science Letters*, 39(4), 291-294.
- Lee, Y., **Kumar K. S.**, Lee, K., Shin, K., Park, K., Yang, E. J. and Shin, K. (2016). Effects of elevated CO₂ concentrations on the production and biodegradability of organic matter: An in-situ mesocosm experiment. *Marine Chemistry*, 183, 33–40.

- Mishra, R., **Kehri, H.K.** and Akhtar, O. (2016). Diversity and Status of Arbuscular Mycorrhizal Fungi in the Ornamental Plants growing under Natural Conditions at Different Sites of Allahabad, Uttar Pradesh. *Journal of Basic and Applied Mycology*, 12(II), 64-76.
- Mishra, P. and **Prasad, S. M.** (2016). Mounting Insights over Human Wellness by Utilizing Plant's Primed Defense against Precise/ Mild Oxidative Stress. *Crop Research* DOI:10.4172/2454-1761.1000102.
- Mishra, R. K., Kumar, J., Srivastava, P. K., Bashri, G. and **Prasad, S.M.** (2017). PSII photochemistry, oxidative damage and antioxidative enzymes in arsenate-stressed *Oryza sativa* L. seedlings. *Chemistry and Ecology*, 33, 35-50.
- Mishra, R. K., Mishra, V., Pandey, A., Tiwari, A. K., Pandey, H., Sharma, S., Pandey, A. C. and **Dikshit, A.** (2016). Exploration of anti-Malassezia potential of *Nyctanthes arbor-tristis* L. and their application to combat the infection caused by Malassezia a novel allergen. *BMC complementary and alternative medicine*, 16(1), 114.
- Mishra, R. K., Ramakrishna, M., Mishra, V., Pathak, A., Sharma, S., Pandey, A. C. Rajesh, S., Rao, G. N. and **Dikshit, A.** (2016). Pharmaco-Phylogenetic investigation of methyl gallate isolated from *Acacia nilotica*(L.) and their cytotoxic effect on NIH3T3 mouse fibroblast. *Current Pharmaceutical Biotechnology* 17(6), 540-548.
- **Narain, S.** and Singh, P. K. (2016). New Addition to the family Asteraceae in flora of Allahabad, Uttar Pradesh. *Bio Bulletin*, 2(1), 118-120.
- **Narain, S.,** Rawat, A., Kaur, J., Renu and Kumar, S. (2016). New Addition to Flora of Allahabad. *Imperial Journal of Interdisciplinary Research*, 2(10), 46- 50.
- Pandey, M., Qidwai, A., Kumar, R., Pandey, A., Shukla, S. K., Pathak, A. and **Dikshit, A.** (2017). Pharmacological and antibacterial aspect of *Psidium guajava* L. against *acne vulgaris*. *Int J Pharm Sci Res.*, 8(1), 145-50.
- Pathak, A., Mishra, R. K., Shukla, S. K., Kumar, R., Pandey, M., Pandey, M., Qidwai, A. and **Dikshit, A.** (2016). In vitro evaluation of antidermatophytic activity of five lichens. *Cogent Biology*; 2:1197472.
- Prasad, M., Gautam, S., **Bhowmik, N.** and Singh S. K. (2016). Plant macrofossils from the sedimentary sequence of Churia Group, Nepal : their phytogeographic and palaeoclimatic significance. *Geophytology*, 46(2), 173-206.
- **Prasad, S. M.,** Kumar, S., Parihar, P. and Singh, R. (2016). Interactive effects of herbicide and enhanced UV-B on growth, oxidative damage and the ascorbate-glutathione cycle in two *Azolla* species. *Ecotoxicology and Environmental Safety*, 133, 341–349.
- Qidwai, A., Pandey, M., Shukla, S. K., Kumar, R., Pandey, A. and **Dikshit, A.** (2016) Antibacterial activity of *Mentha piperita* and *Citrus limetta* against *Propionibacterium acnes* (anaerobic bacteria). *International Journal of Pharmaceutical Sciences and Research*, 7(7), 2917-2924.
- Rai, P. and **Kehri, H. K.** (2017). Effect of fly ash application on the growth, nodulation and mycorrhization in cowpea (*Vignasinensis* L. var. Kanchan). *Journal of Indian Botanical Society*, 96(1 and 2), 1-20.
- **Sahney, M.** and Kumar, A. (2017). Physiochemical and mineral analysis of honey samples from Varanasi district. *International Journal of Pharma and Bio Sciences*, 8(2), 160-166,
- **Sahney, M.** and Vibhasa (2016). Anatomical traits of the Coral Vine – *Antigonon leptopus* Hooker & Arnott of the family Polygonaceae. *Geophytology*, 46(2), 105-111.
- **Sahney, M.,** Kumar, A. and Rahi, S. (2016). Pollen Analysis of Honeys from Varanasi District, Uttar Pradesh, India. *Biological Forum –An International Journal*, 8(2), 126-133.
- **Sahney, M.,** Tripathi, S. N. and Shukla, V. (2017). Wood anatomy of *Holmskioldia sanguinea* Retz. and its adaptive and ecological significance. *Taiwania*, 62(2), 139-134.
- Seth R. K., Alam S., Singh, H. and Srivastava J. N. (2016). Effect of Antibiotic and Bio-fungicide for Control of Seed Borne Fungi of Wheat. *American Journal of Experimental Agriculture*, 14(1), 1-5.
- Seth, R. K., Alam, S. and **Shukla D. N.** (2016). Effect of chemical and bio-fertilizer on seed germination and yield of wheat. *Research Journal of Agricultural Sciences*, 7, 842-844.
- Sharma, S., **Jha, P. K.,** Ranjan, M. R., Singh., U. K. and Jindal, T. (2017). Water Quality Monitoring of Yamuna River by Using GIS Based Water Quality Index in Delhi, India. *Int. J. Curr. Microbiol. App. Sci.* 6(2), 1249-1263.
- Sharma, S., **Jha, P. K.,** Ranjan, M. R., Singh., U. K., Kumar, M. and Jindal, T. (2017). Nutrient Chemistry of River Yamuna, India. *Asian Journal of Water, Environment and Pollution*, 14(2), 61–70.

- Shukla, S. K., Kumar, R., Pathak, A., Pandey, M., Qidwai, A., Pandey, M. and **Dikshit A** (2017). Impact of Eco-friendly Soil Microbe on *Macrotyloma Uniflorum* (Lam.) Verdc: A Medicinal Pulse. *International Journal of Life science and Pharma Research*, 7(2), 14-19.
- Singh, A., **Prasad, S. M.**, Singh, S. and Singh, M. (2016). Phytoremediation potential of weed plants oxidative biomarker and antioxidant responses. *Chemistry and Ecology*, 32, 684-706.
- Singh, A., **Singh, N. B.**, Hussain, I., Singh, H., Yadav, V. and Singh, S. C. (2016). Green synthesis of nano zinc oxide and evaluation of its impact on germination and metabolic activity of *Solanum lycopersicum*. *Journal of Biotechnology*, 233, 84-94.
- Singh, H., Pandey, R., Singh, D., Singh, S. K. and **Shukla, D. N.** (2017). Assessment of heavy metals contamination in the sediment of the River Ghaghara, a major tributary of the River Ganga in Northern India. *Applied Water Science (Accepted)*.
- Singh, H., Raghuvanshi, D., Pandey, R., Yadav, A., Tripathi, B., Kumar, P. and **Shukla, D. N.** (2016). Assessment of seven heavy metals in water of the river Ghaghara, a major tributary of the Ganga in Northern India. *Adv. Appl. Sci. Res.*, 7, 34-45.
- Singh, H., Singh, D., Singh, S. K. and **Shukla, D. N.** (2017). Assessment of river water quality and ecological diversity through multivariate statistical techniques, and earth observation dataset of rivers Ghaghara and Gandak, India. *International Journal of River Basin Management*, pp.1-14. DOI: 10.1080/15715124.2017.1300159
- Singh, H., **Singh, N. B.**, Singh, A., Hussain, I. and Yadav, V. (2016). Physiological and biochemical effects of salicylic acid on *Pisum sativum* exposed to isoproturon. *Archives of Agronomy and Soil Science*, 62(10), 1425-1436.
- Singh, M., Singh, V. P. and **Prasad, S. M.** (2016). Nitrogen modifies NaCl toxicity in eggplant seedlings: Assessment of chlorophyll a fluorescence, antioxidative response and proline metabolism. *Biocatalysis and Agricultural Biotechnology*, 7, 76-86.
- Singh, M., Singh, V. P. and **Prasad, S. M.** (2016). Responses of photosynthesis, nitrogen and proline metabolism to salinity stress in *Solanum lycopersicum* under different levels of nitrogen supplementation. *Plant Physiology and Biochemistry*, 109, 72-83.
- Singh, P. K. and **Narain, S.** (2016). Highly extensive height of *Coryza canadensis* in Uttar Pradesh. *International Journal of Current Research*. 8 (3), 28123-28124.
- Singh, R., Parihar, P., Singh, S., Singh, M. P. V. V. B., Singh, V. P. and **Prasad, S. M.** (2016). Micro RNAs and nitric oxide cross talk in stress tolerance in crop plants. *Plant Growth Regulation*, DOI: 10.1007/s10725-016-0190-y.
- Singh, S. and **Prasad, S. M.** (2016). Kinetin ameliorates cadmium induced toxicity on growth, pigments and photosynthesis by regulating antioxidant potential in tomato seedlings. *International Journal of Applied Science Engineering and Research*, 2, 229-243.
- Singh, S. and **Prasad, S.M.** (2017). Effects of 28-homobrassinoloid on key physiological attribute of *Solanum lycopersicum* seedlings under cadmium stress: photosynthesis and nitrogen metabolism. *Plant Growth Regulation*, 82, 161-173.
- Singh, V. K., Devi, A., Pathania, S., Kumar, V., Tripathi, D. K., Sharma, S., **Chauhan, D. K.**, Singh, V. K. and Zorba, V. (2017). Spectroscopic investigation of wheat grains (*Triticumaestivum*) infected by wheat seed gall nematodes (*Anguinatriticci*). *Biocatalysis and Agricultural Biotechnology*, 9, 58-66.
- Sunaina, Amist, N., and **Singh, N. B.** (2016). PEG imposed water deficit and physiological alterations in hydroponic cabbage. *Iranian Journal of Plant Physiology*, 6(2), 1651-1658.
- Tiwari, A., Bajpai, S. and **Shukla, D. N.** (2016). An Appraisal on the Defilement of Ganga stream in Uttar Pradesh Stretch- Ganga water Pollution. *International Journal of Environmental Science*, 7(2), 165-174.
- Tripathi, B. and **Shukla, D. N.** (2017). Determination of water quality index and Physico-Chemical Parameter value of the river Ganga at Phaphamau, Allahabad. *Global Journal of Bio Science and Biotechnology*, 6(2), 224-228.
- Tripathi, D. K., Mishra, R. K., Singh, S., Singh, S., Vishwakarma, K., Sharma, S., Singh, V. P., Singh, P. K., **Prasad, S. M.**, Dubey, N. K., Pandey, A. C., Sahi, S. and **Chauhan, D. K.** (2017). Nitric Oxide Ameliorates Zinc Oxide Nanoparticles Phytotoxicity in Wheat Seedlings: Implication of the Ascorbate-Glutathione Cycle. *Frontiers in Plant Science*, 8, 1.

- Tripathi, D. K., Singh, S., Singh, S., Pandey, R., Singh, V. P., Sharma, N. C., **Prasad, S. M.**, Dubey, N. K. and **Chauhan, D. K.** (2017). An overview on manufactured nanoparticles in plants: uptake, translocation, accumulation and phytotoxicity. *Plant Physiology and Biochemistry*, 110, 2-12.
- Tripathi, D. K., Singh, S., Singh, S., Srivastava, P. K., Singh, V. P., Singh, S., **Prasad, S. M.**, Singh, P. K., Dubey, N. K., Pandey, A. C. and **Chauhan, D. K.** (2017). Nitric oxide alleviates silver nanoparticles (AgNps)-induced phytotoxicity in *Pisum sativum* seedlings. *Plant Physiology and Biochemistry*, 110, 167-177.
- Tripathi, D. K., Singh, S., Singh, V. P., Prasad, S. M., **Chauhan, D. K.** and Dubey, N. K. (2016). Silicon Nanoparticles More Efficiently Alleviate Arsenate Toxicity than Silicon in Maize Cultivar and Hybrid Differing in Arsenate Tolerance. *Frontiers in Environmental Science*, 4, 46.
- Tripathi, D. K., Singh, S., Singh, V. P., **Prasad, S. M.**, Dubey, N. K. and **Chauhan, D. K.** (2017). Silicon nanoparticles more effectively alleviated UV-B stress than silicon in wheat (*Triticum aestivum*) seedlings. *Plant Physiology and Biochemistry*, 110, 70-81.
- Tripathi, D. K., Singh, V. P., Prasad, S. M., Dubey, N. K., **Chauhan, D. K.** and Rai, A. K. (2016). LIB spectroscopic and biochemical analysis to characterize lead toxicity alleviative nature of silicon in wheat (*Triticumaestivum* L.) seedlings. *Journal of Photochemistry and Photobiology B: Biology*, 154, 89-98.
- Tripathi, D. K., Singh, V. P., Singh, S., **Prasad, S. M.**, **Chauhan, D. K.** and Dubey, N. K. (2017). Silicon nanoparticles more efficiently alleviate arsenate toxicity than silicon in maize cultivar and hybrid differing in arsenate tolerance. *Frontiers in Environmental Science*, 4, 46.
- Vibhasa, **Sahney, M.** and Tripathi, S. N. (2016). Wood anatomy of *Rumex hastatus* D. Don. (Polygonaceae). *Phytomorphology*, 66(3&4), 123-126.
- Wang, D., Xia, W., Kumar, K. S. and Gao, K. (2017). Increasing copper alters cellular elemental composition (Mo and P) of marine diatom. *Ecology and Evolution*, 1-10.
- Yadav, G., Srivastava, P. K., Parihar, P., Tiwari, S. and **Prasad, S. M.** (2016). Oxygen toxicity and antioxidative responses in arsenic stressed *Helianthus annuus* L. seedlings against UV-B. *Journal of Photochemistry and Photobiology B: Biology*, 165, 58-70.
- Yadav, K., Amist, N. and **Singh, N. B.** (2016). Interactive effects of wheat residue and cadmium on growth and metabolism of *Vigna radiata* L. *Allelopathy Journal*, 37 (1), 91-108.
- Yunus, A. P., **Avtar, R.**, Kraines, S., Yamamuro, M., Lindberg, F. and Grimmond, C. S. B. (2016). Uncertainties in Tidally Adjusted Estimates of Sea Level Rise Flooding (Bathtub Model) for the Greater London. *Remote Sensing*, 8(5), 366.
- Amist, N., Bano, C. and **Singh, N.B.** (2017). Plant hormone signaling and drought and salt stress tolerance. In: *Mechanisms behind phytohormonal signalling and crop abiotic stress tolerance* (edited by V.P. Singh, S. Singh and S.M. Prasad). Nova Science Publishers.
- Arif, N., Yadav, V., Singh, S., Kushwaha, B. K., Singh, S., Tripathi, D. K., Vishwakarma, K., Sharma, S., Dubey, N. K. and **Chauhan, D. K.** (2016). Assessment of Antioxidant Potential of Plants in Response to Heavy Metals. In: *Plant Responses to Xenobiotics* (edited by A. Singh, S. M. Prasad and R. P. Singh). pp 97-125. Springer
- Bashri, G. and **Prasad, S.M.** (2016). Exogenous application of phytohormones: A technology for sustainable agriculture. In: *Technological Advances in Agriculture and Rural Development*. (edited by H. Pant, M.K. Singh, M. Pati and B. Chaudhari). Pp 88-92. The society of biological sciences and rural development, Allahabad.
- Bashri, G., Tripathi, D.K., **Prasad, S.M.** and Chauhan, D.K. (2016). Chlorophyll *a* fluorescence analysis: A technique to explore the photochemistry of photosystem II. In: *Technological advances in Plant science*. (edited by R.P. Narayan, R.K. Gaur and D.K. Tripathi). Vol.1. Nova Science Publishers, Inc. New York.
- Bashri, G., Tripathi, D. K., Singh, V. P., **Prasad, S. M.** and **Chauhan, D.K.** (2017). Silicon: A Potential Element to Impart Resistance to Photosynthetic Machinery under Different Abiotic Stresses. In: *Silicon in Plants: Advances and Future Prospects* (edited by D. K. Tripathi, V. P. Singh, P. Ahmad, D. K. Chauhan and S. M. Prasad). pp 67-82. CRC Press Taylor & Francis Group.
- Dubey, G., Mishra, N. and **Prasad, S.M.** (2016). Metabolic responses of pesticides in plants and their ameliorative processes. In: *Plant responses to xenobiotics*. (edited by A. Singh, S.M. Prasad and R.P. Singh). 57-95. Springer.
- Kumari, S. and **Kumar, K. S.** (2017). Seaweed proteins: nutritional value, functional properties and potential food applications. In *Seaweed Bioactives: Health Benefits and Potential Applications*. (editor by Amit Jaiswal). ISBN: 978-1-4987-9698-9. CRC Press.

- **Kehri, H.K.**, Mishra, R, Rai, Pallavi and Akhtar, O. (2016). Potential Use of AM Fungi for Better Utilization of Fly Ash in Terrestrial Ecosystem and Agroecosystem. In: Mycorrhizal fungi (edited by Aggarwal, A. and Yadav, K.). pp. 275-290. Astral International Pvt. Ltd., New Delhi.
- Mishra, R.K., Tiwari, S. and **Prasad, S.M.**, (2016). Interaction of UV-B with the terrestrial ecosystem. In: UV-B Radiation: From Environmental Stressor to Regulator of Plant Growth. (edited by V.P. Singh, S. Singh, P. Parihar and S.M. Prasad). pp 65-74. John Wiley & Sons.
- Parihar, P., Kumar, J., Singh M, Singh, R., Singh, S., Singh, V.P. and **Prasad, S.M.** (2016). Effect of Salinity on Crop Plants and Their Mitigation Strategies. In: Technological advances in Plant science. (edited by R.P. Narayan, R.K. Gaur and D.K. Tripathi). Vol.1. Nova Science Publishers, Inc. New York.
- Parihar, P., Singh, S., Singh, R., Singh, M.P.V.V.B., Singh, V.P. and **Prasad, S.M.** (2016). Ultraviolet Radiation Targets in the Cellular System: Current Status and Future Directions. In: UV-B Radiation: From Environmental Stressor to Regulator of Plant Growth (edited by V.P. Singh, S. Singh, P. Parihar and S.M. Prasad). pp 155-174. John Wiley & Sons.
- Patel, A., Kumar, J., Singh, M., Singh, V. P. and **Prasad, S.M.**, (2016). Silicon uptake and translocation in plants: Recent advances and future prospective. In: Silicon in Plants: Advances and Future Prospects. (edited by D.K. Tripathi, V.P. Singh, S.M. Prasad, P. Ahmed and D.K. Chauhan). pp 195-212. CRC Press Taylor & Francis Group.
- Singh, A., Bashri, G. and **Prasad, S.M.** (2016). Major influence on phytochrome and photosynthetic machinery under UV-B exposure UV-B radiation. In: UV-B Radiation: From Environmental Stressor to Regulator of Plant Growth (edited by V.P. Singh, S. Singh, P. Parihar and S.M. Prasad). pp 123-142. John Wiley & Sons.
- Singh, R., Singh, S., Parihar, P., Singh, M.P.V.V.B, Singh, V.P. and **Prasad, S.M.** (2016). An Introduction to UV-B Research in Plant Science. In: UV-B Radiation: From Environmental Stressor to Regulator of Plant Growth (edited by V.P. Singh, S. Singh, P. Parihar and S.M. Prasad). pp 1-8. John Wiley & Sons.
- Singh, S., Bashri G., Singh, A. and **Prasad, S.M.** (2016). Regulation of Xenobiotics in Higher Plants: Signaling and Detoxification. In: Plant responses to xenobiotics. (edited by A. Singh, S.M. Prasad and R.P. Singh). pp 39-56. Springer.
- Singh, S., Kushwaha, B. K., Ahmad, P., Tripathi, D. K., Dubey, N. K. and **Chauhan, D. K.** (2017). Role of Silicon in Plants: Present Scenario and Future Prospects. In: Silicon in Plants: Advances and Future Prospects (edited by D. K. Tripathi, V. P. Singh, P. Ahmad, D. K. Chauhan and S. M. Prasad). pp 227-244. CRC Press Taylor & Francis Group.
- Singh, S., Tripathi, D. K., Dubey, N. K., and **Chauhan, D. K.** (2016). Global explicit profiling of water deficit-induced diminutions in agricultural crop sustainability: key emerging trends and challenges. In: Water Stress and Crop Plants: A Sustainable Approach (edited by P. Ahmad). pp 58-74. John Wiley & Sons.
- Singh, S., Tripathi, D., K., **Chauhan, D. K.**, and Dubey, N. K. (2016). Glutathione and Phytochelatins Mediated Redox Homeostasis and Stress Signal Transduction in Plants: An Integrated Overview. In: Plant Metal Interaction: Emerging Remediation Techniques (edited by P. Ahmad). pp 285-310. Elsevier.
- Tripathi, D.K., Bashri, G., Singh, S., Singh, S., Ahmad, P., **Prasad, S.M.**, Dubey, N.K. and **Chauhan, D.K.** (2016). Efficacy of Silicon against the Aluminum toxicity in plants: An Overview. In: Silicon in Plants: Present and Future Prospects. (edited by D.K. Tripathi, V.P. Singh, S.M. Prasad, P. Ahmed and D.K. Chauhan). pp 682-694. CRC Press Taylor & Francis Group.
- Tripathi, D. K., Singh, V. P., Ahmad, P., Chauhan, D. K. and Prasad, S.M. eds., (2016). Silicon in Plants: Advances and Future Prospects. CRC Press Taylor & Francis Group.
- Singh, V.P. Singh, S., **Prasad, S.M.** and Parihar, P. (2016). UV-B Radiation: From Environmental Stressor to Regulator of Plant Growth. WILEY Chichester, West Sussex, UK (Hard Cover is available).
- Singh, A., **Prasad, S.M.** and Singh, R.P. (2016). Plant Responses to Xenobiotics. Springer, (Hard Cover is available).
- Singh, V.P., Singh, S., Tripathi, D.K., **Prasad, S.M.** and Chauhan, D.K. (2017). Revisiting the Role of Reactive Oxygen Species (ROS) in Plants: Boon or Bane for Plants. WILEY Chichester, West Sussex, UK (Hard Cover will be available upto September 2017).
- Singh, V.P., Singh, S. and **Prasad, S.M.** (2017). Mechanisms Behind Phytohormonal Signalling and Crop Abiotic Stress Tolerance. Nova Science Publishers USA (Hard Cover is available).
- Singh, V.P., Singh, S., Singh, R., Srivastava, P.K. and **Prasad, S.M.** (2017). Environment and Photosynthesis: A Future Prospect. Studium Press, USA (Compilation in Process).

- Srivastava, P.K., Singh, A., Singh, V.P., Tripathi, D.K., Singh, S. and **Prasad, S.M.** (editors) (2017). Pesticides and Crop Productivity. Wiley Chichester, West Sussex, UK.

DEPARTMENT OF CHEMISTRY

- Singh, J. – ‘Organic Spectroscopy’ (book)
- **Singh, J.** (2016) – Multicomponent reactions for the generation of molecular libraries in anticancer drug discovery. In Multicomponent Reactions : Synthesis of Bioactive Heterocycles, Dandia, A.; Ameta, K.L.eds. Boca Raton, Florida: CRC Press (Taylor and Francis Group) (ISBN : 9781498734127).
- Hozeyfa Sagir, Pragati Rai, Rahila, Shailendra Tiwari, and **I.R. Siddiqui** (2017). Iodine / water mediated parallel synthesis of bioactive diversely substituted pyrazolo-pyrido- pyrimidines and its spiro analogues: An Enviro – Economic approach. Journal of heterocyclic chemistry, 54, 397-405.
- Malik Abdul Waseem, Rahila, Afshan Ibad, Farah Ibad, Shamshum Neha, Juhi Nazaan, **I.R. Siddiqui** (2017), “Efficient {bmlm} OH catalyzed novel and diastereoselective synthesis of imidazopyridine via microwave activation in an aqueous media”, Journal of heterocyclic chemistry, 54, 1094-1102.
- Hozeyfa Sagir, Rahila, Pragati Rai, Prashant Kumar Singh, **I.R. Siddiqui** (2017), “ZnO nanoparticle-cyclodextrin : a recyclable heterogeneous catalyst for synthesis of 3-aryl-4H-benzo[1,4]thiazin-2-amine in water”, New Journal of Chemistry
- **Singh, V.**, Singh A., Preeti, Joshi, S., Malviya, T. (2016), Synthesis, characterization and mercury (II) removal using poly(vinylacetate) grafted guar gum, Advanced Material Letters, 7:573-578, VBRI Press, Sweden.
- **Singh, V.**, Malviya, T., Joshi, S., Singh, A.Preeti, Tripathi, D.N. (2016), Cassia fistula seed gum-graft-poly(acrylamide)Anefficient adsorbent for Reactive Blue H5G dye, Advanced Material Letters, VBRI Press. Sweden, 7, 986-995.
- Singh, S.K.; H.C. Ananda Murthy; **Singh, V.** (2016). Adsorption of mercury from aqueous solution using gum acacia-silic composite: kinetics, isotherms and thermodynamics studies, Advanced Material Letters, 7:673-678.
- **Singh, V.** Singh A., Preeti, Joshi, S., Malviya, T (2016). Grafting of vinyl acetate- ethylavrylate binary monomer mixture into guar gum, International Journal of Biological Macromolecules, 84:442-447.
- **Singh, V.**, Pandey, A.K., Preeti, Singh, J., Malviya, T. (2016). Gum acacia-CuNps-Silica hybrid: An effective, stable and recyclable catalyst for reduction of nitroarenes, RSC Advances, 6: 31074-31082.
- **Siddiqui, I.R.**, Arjita Srivastava, Anjali Srivastava, Malik A. Waseem, Shireen (2016), “An efficient one-pot regioselective approach towards the synthesis of thiopyrano[2,3-d]thiazole-2-thiones catalyzed by basic ionic liquid under microwave irradiation” Journal of Heterocyclic chemistry, 53, 849-858.
- **Siddiqui, I.R.**, Farah Ibad, Afshan Ibad, Malik Abdul Waseem, Geeta Watal (2016) “Eco-friendly strategy: design and synthesis of biologically potent benzimidazole-amine hybrids via visible-light generated oxidative C-H arylamylation of analenic amidines” Tetrahedron Letters, 57, 5-10.
- Rahila, Pragati Rai, Afshan Ibad, Hozeyfa Sagir, and **I.R. Siddiqui** (2016) “Chitosan-CTAB: An Efficient Aqueous Micellar System for the Sequential One –Pot Synthesis of Highly Functionalized 2-Amino-4H-Phyrans”, Chemistry Select, 1, 1300-1304.
- **P.K. Tandon**, S.B. Singh (2016), Catalysis by Iridium (III) in the Oxidation of Hydrocarbons and Cyclic Alcohols by in-situ Prepared Sodium Ferrate. Environ Chem Lett, 14(1) 15-25.
- **P.K. Tandon**, B. Kesarwani, JoCC. (2016) 3 (1): 25-31. Controlled Oxidation of Benzyl Alcohol by in situ Prepared Sodium Ferrate in Organic and Aqueous Medium, P.K. Tandon, B. Kesarwani. Asian J. Org. Med.Chem., 1, 1 22-25.
- G.L. Chaurasia, M.K. Gupta, **P.K. Tandon** (2016), Evaluation and modeling of ground water quality data of Allahabad city by enivronmentric methods, Green Chem. Tech. Lett, 2, (4) 211-218.
- **Dubey R.K.**, Nitesh,J., Metals and metal compounds in environment: occurrence toxic effect and remediation, Jalchitan 4(1). 1-5, ISSN 2321 – 5011
- Kumar, A., Malviya, S. , **Srivastava, S.** (2016), Some Pb(II) Complexes 2,6 – bis (hydroxymethyl) Pyridine with different Pb(II) salts involving the anions chloride, perchloride and nitrate. A photoelectron spectroscopic study. Asian Journal of Research Chemistry.9 (6).
- Malviya, S., Rajpoot, A., Kushwaha, R., **Srivastava, S.** (2016), Synthesis and characterization of [RR¹Te]₂L] and rr¹Te.L] compounds with macrocyclic ligands : A photoelectron spectroscopic study., International J. of Scientific Research in Science, Engineering & Technology, 2(4), 517-524.
- Srivastava, Shivi and **Srivastava, Shekhar** (2016), The implications of Scientific Approaches In terms of contemporary management practices., International Journal of Research in Social Science, 6(6), 409 – 521,

- Kushawaha, D. K., S. Chatterji, M. Yadav, and **G. Watal**. (2016), Antimicrobial potential and preliminary phytochemical evaluation of Cucurbita maxima seeds. International journal of pharma and bio sciences. 2, 578-582.
- Mubayi, A, S. Chatterji and **G. Watal** (2016), Plant-mediated green synthesis of Ag nanoparticles with enhanced antibacterial efficacy. Letter in applied nano bioscience., 5, 358-31.
- Dubey P., A. Tiwari, S.K. Gupta and **G.Watal** (2016), Phytochemical and biochemical studies of Jasminum officinate leaves, International journal of pharmaceutical sciences and research. 7, 2632-2640.
- Kushawaha, D K, M. Yadav, S Chatterji, G S Maurya, A K Rai and **G Watal** (2016), 8, 344-350, Free radical scavenging index of Cucurbita maxima seeds and their libs based antioxidant elemental profile., International journal of pharmacy and pharmaceutical sciences.
- Mubayi, A., S Chatterji, P K Rai, G S Maurya, A K Rai and **G watal** (2016), Laser – induced breakdown spectroscopy based study of antimicrobial attribute of nano-based phytomaterial, Material facus, 5, 296 -301.
- Yadav, M, D K Kushwaha, S Chatterji. And **G. Watal** (2016), Comparative Antibacterial Efficacy of Swertia chirata and Colocasia esculenta, International journal of Pharmacognosy and Phytochemical Research 8, 2016-2019.
- Kushawaha, D K, M Yadav, S Chatterji, A K Srivastava and **G Watal** (2016), α - amylase and α - glucosidase inhibitory activity assessment of Cucurbita maxima seeds – a LIBS based study. International journal of phytomedicine, 8, 312-318.
- Tiwari, A., P Dubey, S K Gupta, and **G Watal** (2016), Screened phytochemicals of A esculentus leaves and their therapeutic role as an antioxidant. International journal of pharmacognosyand phytochemical research, 8,1509-1515.
- **Mani, Dinesh**, Chitranjan Kumar and Niraj Kumar Patel (2016), Integratedmicro-bio-chemical approach for phytoremediation of cadmium and ead contaminated soil susing Gladiolus grandiflorus L cut flower. Ecotoxicology and Environmental Safety 124, 435–446.
- Srivastava, Madhulika, Pratibhi Rai, Jaya Singh, Snehlata Yadav, Bhartendu Pati Tripathi and **Singh J.** (2016), Role of β -CD in water as supramolecular catalysis, Curr. Organocatal., 3, 32-38.
- Singh, Swastika, Mohammad Saquib, Nabdavi Singh, Jyoti Tiwari, Fatima Tufail, Jaya Singh and **Singh J.** (2016),, A catalyst free multicomponent – tandem, facile synthesis of pyrido[2,3-d] pyrimidines using glycerol as a recyclable promoting medium. New J. Chem., 40. 63-67..
- Tiwari, Jyoti, Mohammad Saquib, Swastika Singh, Fatima Tukail, Mandavi Singh, Jaya Singh and **Singh J.** (2016),, Visible light promoted synthesis of dihydropyrano[2,3-c]chromenes via a multicomponent-tanden strategy under solvent and catalyst free conditions Green Chem., 18, 3221 3231.
- Srivastava, Madhulika, Pratibha Rai, Snehlata Yadav, Bhartendu Pati Truipathi, Anu Mishra, Jaya Singh and **Singh J.** (2016),, Visible light triggered, catalyst free approach for the synthesis of thiazoles and imidazo[2,1-b]thiazoles in EtOH : H2O green medium. RSC Adv., 6, 49164 – 49172.
- Snehalata Yadav, Madhulika Srivstava, Pratibha Rai, Bhartendu Pati Tripathi, Anu Mishra, Jaya Singh and **Singh J** (2016), An ecofriendly approach – A simple and clean synthesis in aqueous medium viasupramolecular catalysis. J. Indian Chem. Soc. , 93, 843 – 850.
- Shehlata Yadav, Madhulika Srivastava, Pratibha Rai, Bhartendu Pati Tripathi, Anu Mishra, Jaya Singh and **Singh J.** (2016), Oxidative organophotoredox catalysis: aregioselective synthesis of 2-nitro substitutedimidazopyridines and 3 substituted indoles, initiated by visible light. New J. Chem., 40, 9694-9701.
- Singh, Vinay Kumar, Abhishek Upadhyay and **R K P. Singh** (2016), Zink-mediated synthesis of 3-alkyl-3-hydroxyindoline-2-ones by addition of iodoalkynes to isatins, Tetrahedron Letters, 10 .1016/j.tetlet. 11.124.
- Upadhyay, Abshik, Laxmi Kant Sharma, Vinay Kumar Singh and R. K. P. Singh (2016). An efficient one pot three component synthesis of fused pyridines via electrochemical approach, Tetrahedron Letters, 10.1010/j.tetlet. 2016. 10.111.
- Sharma, Laxmi Kant, S. Singh, Vinay K. Singh and **R. K. P. Singh** (2016), One pot syntheis and fungicidal activity of some bis- (2-arylamino—1,3,4-oxadiazol-5-yl) propane by electrolytic initiated desulfurization of propylenediacylthiosemecarbazone, J. Indian Chem. Soc, 93, 827-832.
- Singh, Vinay Kumar, Laxmi Kant Sharma and **R.K.P. Singh** (2016), Iron mediated onepost three component synthesis of 3-synthesis of 3-substituted indoles via aerobic iminium ion formation. Tetrahedron Letters, 57. 407-410.

- Malviya, Jyoti, Shashi Kala, Hemlata Singh and **R. K. P. Singh** (2016), A simple and convenient one pot synthesis of aminoquinone derivatives via Electrochemical amination of benzoquinone with secondary amines, *J. Applied Chemistry*, 4(6), 7-16.
- Kala, Shashi, Jyoti Malviya, Hemlata Singh, L.K. Sharma and **R. K. P. Singh** (2016), Electrochemical Deposition and Characterization of Conjugated Copolymers of Thiophene and Aniline. *J. Electrochemistry of Conjugated Copolymers of Thiophene and Aniline*, *J. Electrochemistry and Plating Technology*. DOI:10.12850/ISSN2196-0267. JEPT.
- Kala, Shashi, Jyoti Malviya, L K Sharma and **R K P Singh** (2016), Electro Organic Synthesis and Characterization of Phenol-Aniline Based Copolymers, *J. Polymer Science B*, 59(3), **2017**, 1-8.
- Upadhyay, Abhishek, Laxmi Kant Sharma, Vinay Kumar Singh, Rahul Dubey, Narendra Kumar and R K P Singh, Electrochemically induced one pot synthesis of 1,4-dihydropyrano[2,3-c]-pyrazole-5-carbonitrile derivatives via a four component-tandem strategy, *Tetrahedron Letters*, 58, 2017, 1245 – 1249.
- Singh, J. et al (2016), Multicomponent reactions for the generation of molecular libraries in anticancer drug discovery. *Multicomponent Reactions: Synthesis of Bioactive Heterocycles*, Dandia, A.; Ameta, K.L. eds. Boca Raton, Florida: **CRC Press** (Taylor and Francis Group), (International Publisher, ISBN: 9781498734127)

DEPARTMENT OF DEFENCE & STRATEGIC STUDIES

- **Agarwal, P.** (2016), '*European Influence on Maratha Army*', p-162, Anubhav Publishing House, Allahabad, ISBN-978-80134-76-5.
- **Agarwal, P.** (2016) Impact of European Adventurers on Maratha Military System, *Journal of Peace Security and Development Studies*, 22, 06-32.
- **Bhadoria, S.** (2017). 'India's Foreign Policy and Emerging Challenges' in: "India's Foreign Policy": Emerging Challenges (Edited by S. K. Mishra). pp. 33 – 44. Authors Press, New Delhi.
- **Bhadoria, S.** (2016). 'Emerging India in Asia Pacific' in: "Rising India, China, South Africa and Brazil: Challenges and Strategic Options"(Edited by Mohammad Gulrez). , pp. 165 – 176. Paragon International Publishers, New Delhi.
- **Bhadoria, S.** (2016). 'Imperatives of National Security in India: Linking Human Dimensions' in: "India's Foreign Policy: Nonalignment 2.0, Geopolitics and National Security (Edited by Liyaqat Ayub Khan & Rohidas Mundhe). pp. 19 – 35. Navvishnu Publications, Navi Mumbai.
- **Agarwal, P.** (2017). 'India's Foreign Policy and Security Challenges' in: "India's Foreign Policy": Emerging Challenges (Edited by S. K. Mishra). pp. 45– 51. Authors Press, New Delhi.
- **Bhadoria, S.** (2017) 'The Challenge of Cross Border Terrorism: India's Policy and Response' in Proceedings of International Conference on "*Terrorism and Counter-terrorism*", Dept. of Defence & Strategic Studies, Savitribai Phule Pune University, Pune .
- **Bhadoria, S.** (2017) 'India Afghanistan Strategic Partnership and India's Policy' International Conference on "*Indo – Afghan Relations: Evaluating the Development and Strategic Partnership*", Centre for Studies in International Relations and Development (CSIRD), Kolkata and MMAJ Academy of International Studies, Jamia Millia Islamia University, New Delhi.
- **Bhadoria, S.** (2016) 'Left Wing Extremism & Its Implications for India's National Security' National Seminar on "*Challenges to India's National Security: Role of Intelligence and Defence Technologies*", Dept. of Geopolitics and International Relations, Manipal University, Manipal .

DEPARTMENT OF ELECTRONICS & COMMUNICATION

- Khare, A., Jeon, M., Sethi I. K. and Xu, B. (Eds.) (2017), Special Issue on "Machine Learning Theory and Applications for Healthcare", *Journal of Healthcare Engineering*, Hindawi. (SCI Impact Factor = 0.925)
- Khare, A., Chandra, M., and Jeon, M. (Eds.) (2017), Special Issue on "Recent Advances and Emerging Topics in Computer Vision Methods and Image Analytics", *International Journal of Computational Vision and Robotics*, Inderscience. (Scopus SJR = 0.220).
- Arun, V., Shukla, N.K., Singh, A.K. and Singh, P. (2016). Design and Performance analysis of multiple all Optical Logic gates in a single photonic circuit. *Optical And Quantum Electronics*, 36, 1-13.
- Arun, V., Singh, A. K., Shukla, N.K. and Tripathi, D.K (2016). Design and Performance analysis of reversible and irreversible logic gates. *Optical and Quantum Electronics*, Springer US, 48, 255, 1-15.
- Singh, P., Singh, A.K., Arun, V. and Dixit, H.K. (2016). Design and analysis of all optical half adder, half subtractor and 4 bit decoder based on SOA-MZI configuration. *Optical and Quantum Electronics*, Springer US, 48, 159, 1-15.

- Singh, A.K., Mehra, R., Arun, V. and Dixit, H.K.(2016). Node-Arc Link restoration model for national Science Foundation network. *International research journal of engineering and technology*, 4, 18-20.
- Singh, A.K., Mehra, R., Arun, V. and Dixit, H.K. (2016). Node –Arc Link Restoration Model to optimize spare capacity of optical networks.*International research journal of Engineering and technology* , 3, 2151-2153.
- Rai, A., Awasthi, B., Singh, S. and Dwivedi, C.K. (2016). A Review of maximum power point tracking techniques for photovoltaic.*International Journal of Engineering Research*, 5, 539-545.
- Rai, A., Awasthi, B. and Dwivedi, C.K. (2016). Modeling of photovoltaic cell and study partial shading effect using matlab/Simulink. *International Journal of innovative technology and creative engineering* .6,378-381.
- Awasthi, B., Rai, A. and Shukla, N.K. (2016). Cost optimization of spv system.*International journal of emerging technology and advanced engineering*. 6, 174-180.
- Dixit, A., Dixit, S.D., Rai, A. and Dwivedi, C.K., (2017). Dye sensitized solar cell – A review .*IJETAE*. 7,154-161.
- Dixit, A., Dixit, S.D. and Dwivedi, C.K. (2017), Performance analysis of dye sensitized solar cell using polymer electrolyte with methyl violet and malachite green dyes. *IJETAE* 7,196-202.
- Singh, P. and Tewari, R.R. (2017). Watermarking scheme based on redundant discrete wavelet transformation. *International research journal of engineering and technology* .4, 721-724.
- Singh, A. and Singh, N. (2017) Analysis of wireless mac 802.11 and 802.11 ext in NS-2 .*International journal of innovative science and modern engineering*, 4, 24-27.
- Singh, S., Pandey, A. and Dwivedi, C.K. (2016). Bioelectricity Production From Various Feedstocks using pure strain. *IJRED*, 5,119-127.
- Sharma, M.K. and Siddiqui, T.J. (2016). An ontology construction approach for retrieval of the museum artifacts using protégé. *International journal of computer science, issues*. 13 ,47-51.
- Singh, A.K. and Singh, N. (2016). Binary phase shift keying modulation and demodulation simulation in matlab. *IJESC*, 6,2951-2953.
- Karunesh and Singh, R. (2016). UWB band pass filter using dielectric Resonator. *Journal of microwave engineering and technology*, 3,25-29.
- Mishra, R., Shukla, N.K. and Dwivedi, C.K. (2016). A comparative performance analysis and effects of SBS and SRS using Optisystem. *IJESC*, 6,1120-1125.
- Misra, R., Shukla, N.K. and Dwivedi, C.K., (2016). Performance analysis of multi QoS Model of OCDMA system by adophy Oppm Signalling and switching. *IJERA*, 6, 37-42.
- Misra, R., Shukla, N.K. and Dwivedi, C.K. (2016). A comparative performance analysis of optical fiber system with FBG compensated SMF for high data rate. *IJIR*, 6,537-540.
- Misra, R., Shukla, N.K. and Dwivedi, C.K. (2016). Simulation and performance and analysis of DWDM through optisystem. *IJOER*, 4,388-392.
- Aneesh, M., Siddiqui, M.G., Ansari, J.A., Singh, A. and Kamakshi (2016). Inset feed toppled H-shaped microstrip patch antenna for PCS/WiMAX application. *Indonesian Journal of electrical engineering and computer science*, 1, 365-370.
- Srivastava, P. and Khare, A. (2017). Integration of wavelet transform, local binary patterns and moments for content-based image retrieval. *Journal of visual communication and image representation*, 42, 78-103.
- Patel, A.K., Sarwar, A., Chandra, G. and Singh, R. (2016). A compact N-shaped multiband microstrip patch antenna design for wireless application. *International journal of advanced research*, 4, 673-680.
- Singh, V., Mishra, B., Tripathi, P.N. and Singh, R. (2016). A compact Quad-band micro-strip antenna for S and c- band applications. *Microwave and optical technology letters*, 58, 1365-1369.
- Mishra, B., Singh, V. and Singh, R. (2016). Dual and wide-band slot loaded stacked microstrip patch antenna for WLAN/Wi-Max applications. *Microsystem technologies*.
- Mishra, B., Singh, V., Dwivedi, A., Bhan, C. and Singh, R. (2016). Dual band microstrip patch antenna with double-sided notch. *International journal of Computer application*, 6, 106-108.
- Khare, M., Srivastava, R. K. and Khare, A. (2017). Object Tracking using combination of Daubechies complex wavelet transform and Zernike moment, *Multimedia Tools and Applications*, 76, 1, 1247-1290.
- Nigam, S. and Khare, A. (2016), Integration of moment invariants and uniform local binary patterns for human activity recognition in video sequences, *Multimedia Tools and Applications*, 75, 24, 17303-17332.
- Srivastava, R. and Khare, A. (2016), Threshold based image fusion in Dual tree complex wavelet domain, *International Journal of Image, Graphics and Signal Processing*, 8, 10, 64-74.

- Srivastava, R., Prakash, O. and Khare, A. (2016), Local energy based multimodal medical image fusion in curvelet domain, *IET Computer Vision*, 10, 6, 513-527.
- Keserwani, P., Pammi, V.S., Prakash, O., Khare, A. and Jeon, M. (2016), Classification of Alzheimer disease using Gabor texture feature of hippocampus region, *International Journal of Image, Graphics and Signal Processing*, 8, 6, 13-20.
- Srivastava, P. and Khare, A. (2016), "On Visual Information Retrieval using Multiresolution Techniques", in *Web Usage Mining Techniques and Applications Across Industries (Eds. A.V. Senthil Kumar)*, Chapter 12, pp. 297-323, IGI Global.
- Karunesh and Singh, R. (2017) A novel design of ultra wideband MIMO antenna. *Proc international conference on inovations in information, embedded and communication system*. Department of electronics and telecommunication engineering , Karpagam college of engineering, Coimbatore, Tamil nadu, India.
- Karunesh and Singh, R. (2017), Millimeter wave passive band pass filters. *Proc. National conference emerging trends in electronics and communication*. Ajay kumar garg engineering college, Ghaziabad (u.p)
- Mishra, B., Singh, V., Dwivedi, A. K., Pandey, A. K., Sarwar, A., and Singh, R. (2016) Slots loaded multi layered circular patch antenna for wi-fi/wlan applications. *Proc. IRSCNS (2016) springer LNNS series*.
- Mishra, B., Singh, V., and Singh, R., (2016) A novel design and synthesis of coupled inductor band pass filter for ism band applications. *Proc. ICEMS JNU Jaipur*.
- Kumar, D., Pandey, I., and Shukla, N. (2016), implementation of single phase matrix converter as a cycloconverter. *Proc. IJIR VOL.2 ISSUE 11*.
- Pandey, A. K., Patel, A. K., Yadav, S., and Singh, R. (2016), rectangular patch antenna with CPW feed. *Proc. International conference on contemporary computing and informatics*. pp. 631-632.
- Siddiqui, M.G., Kamakshi, Ansari, J. A., and Kumar, M., (2017), S- shaped patch antenna using L- strip feeding. *Proc. National conference on emerging trends in computing and management technologies*. SPMIT, Allahabad, u.p.
- Siddiqui, M. G., Agarwal, N., and Ansari, J. A., (2016), ANN based symmetrical slot loaded MSA for WIMAX/WLAN application. *Proc. International conference on computer, communication and management technologies*. SPMIT, Allahabad, U.P.
- Agarwal, N., Siddiqui, M. G., Ansari, J. A., and Nitin, N., (2016), Performance analysis of modified horizontal U-slot microstrip antenna. *Proc.international conference on control, computing, communication and materials*. United college of engineering and research Allahabad, u.p
- Singh, A. K., and Singh, N., (2017) Performance analysis of different M-ARY phase shift keying modulation scheme in AWGN channel. *Proc. National conference on recent challenges in electronics engineering for national development*. Department of electronics and telecommunication engineering, bhilayi institute of technology, Durg, C.G.
- Mishra, R., Shukla, N. K., Dwivedi, C. K., (2017), Performance analysis and implementation of different pumping techniques on an EDFA amplifier. *Proc. international conference on serving signal processing and security*. Chennai.
- Mishra, R., Shukla, N. K., Dwivedi, C. K. (2016), A comparative analysis and improving performance of optical amplifier using CWDM OF. *Proc. National conference NCETEEE*. Lucknow.
- Pandey, A. K., Patel, A. K., Sarwar, A. and Singh, R. (2016), triple band patch antenna loaded with W- shaped slot for wireless applications. *Proc. International conference on computer communication and management technologies*. SPMIT Allahabad, U.P.
- Reddy, B. M., and Khare, A., (2017), Shot boundary detection using second order statistics of gray level co-occurrence matrix. *Proc. International science community association*.
- Sharma, M. K., and Siddqui, T. J.,(2017), Museum artefacts retrieval using shape classification. *Proc.national conference on emerging trend in computing and management technologies*. pp. 8-12. SPMIT, Allahabad.
- Singh, S., Pandey, A., and Dwivedi, C.K. (2016), electricity generation in membraneless single chambered microbial fuel cell. *Proc. ICCCCM*. UCER naini, Allahabad, Allahabad.
- Rai, Shalini., Dwivedi, C. K., and Srivastava, R. (2017), pipelined cordic architecture and its implementation on Simulink. *proc. International conference on CICT*. pp.1-9. ABES Engineering College Ghaziabad, U.P.
- Rai, Shalini., and Srivastava, R. (2016) Bit serial cordic architecture and its applications. *Proc. Signal processing and smart sensor network*. pp. 30-35. Department of electronics and communication engineering, SRMS women's college of engineering and technology , Bareilly, u.p.

- Srivastava, P., Khare, M., and Khare, A. (2017), Content based image retrieval using scale invariant feature transform and gray level Co-occurrence matrix. *proc. International conference on pattern recognition*. pp.134-138. Singapur.
- Srivastava, P., and Khare, A. (2017), Content-based image retrieval using multistage local spatial binary Gaussian co-occurrence pattern. *proc. international conference internet of things for technological development*. pp.1-10 . Gandhinagar, India.
- Srivastava, P., and Khare, A. (2016), Content based image retrieval using scale in a variant feature transform and movements. *Proc. International conference on electrical , computer and electronics*. IIT, BHU , Varanasi.
- Singh, P., and Tiwari, R. R., (2016) Gray image watermarking scheme based on DWT and SVD for copyright protection. *Proc. ICCCCM*,. UCER, Naini, Allahabad, U.P.
- Rai, A., Awasthi, B., Dixit, A., and Dwivedi, C. K. (2016), Modeling of solar photovoltaic module and study parameter variation effect using Matlab/Simulink. *Proc. ICCCCM*. pp.1-6. UCER, Naini, Allahabad.
- Awasthi, B., Rai, A., and Shukla, N. (2016), Optimization cost in SPV system by effective calculation of the length of connecting wires. *Proc. VLSI, communication and computer networks*. pp.1-6. Amc engineering college Bangalore.
- Upadhyay, K. K., Arun, V., Srivastava, S., and Shukla, N. K. (2016), Design, comparison and performance evaluation of dispersion managed system with hybrid optical amplifier. *Proc. ICETEESSES*. pp.72-75. KNIT, Sultanpur, U.P.
- Srivastava, S., Upadhyay, K. K., and Singh, N. (2016), Design and performance analysis of dispersion managed system with RZ and NRZ modulation Format. *Proc. ICCCCM-16*. pp.1-4. UCER, Naini, Allahabad, U.P.
- Das, A. X., and Shrivastava, R. K. (2016) Performance of routing protocol under reference point group mobility model in mobile Ad-Hoc networks using Qualnet simulator 6.1. *Proc. International conference on advance computing*. pp.1-5. Department of computer science and engineering, SRKR engg College, A. P, INDIA.
- Das, A. X., Shrivastava, R. K., and Yadav, A., (2016), Performance comparison of MANET Routing protocols in hostile battlefield network using qualnet simulator 6.1. *Proc. Emerging trends in non conventional energy resources*. pp. 1-5. Integral University.
- Upadhyay, K. K., Pathak, N., and Bhushan, B. (2016), Energy conservation scheme for wireless sensor networks. *Proc. NCCCS-2016*. pp. 1-5. HMR College, New Delhi.
- Upadhyay, K. K., Pathak, N., and Bhushan, B. (2016), Blackhole detection and problem related wireless sensor network. *Proc. NCCCS-2016*. pp. 11-15. HMR College, New Delhi.
- Upadhyay, K. K., Pathak, N., and Bhushan, B. (2016), Different strategy for layer in open system interconnected model to counter denial of service attack. *Proc. NCCCS-2016*. pp. 19-22. HMR College, New Delhi.
- Upadhyay, K. K., Rai, S. and Bhushan, B. (2016), Enhancing security by data aggregation in WSN. *Proc. NCCCS*. pp. 43-26. HMR College, New Delhi.
- Upadhyay, K. K., Rai, S. and Bhushan, B. (2016), Dos attack and its effect on different layer of OSI reference model. *Proc. NCCCS*. pp. 212-216. HMR College, New Delhi.

DEPARTMENT OF EARTH & PLANETARY SCIENCES

- Saha, L., Frei, D., Gerdes, A., **Pati, J.K.**, Sarkar, S., Patole, V., Bhandari, A. and Nasipuri, P. (2016), Crustal geodynamics from Archaean Bundelkhand craton, India: constraints from U-Pb-Hf isotopic studies, *Geological Magazine*, v.153 (1), 179-192. doi:10.1017/S0016756815000692.
- **Pati, J.K.**, Pruseth, K.L., Chatterjee, R.S., Patel, S.C., Prakash, K., Chakarvoty, M., Singh, R.P., Bhushan, R., Malviya, V.P., Sharma, R. and Champati Ray, P.K. (2016), Hematite-rich concretions from Mesoproterozoic Vindhyan sandstone in northern India: a terrestrial Martian “blueberries” analogue with a difference, *Current Science*, v. 111, No. 3, 535-542. doi: 10.18520/cs/v111/i3/.
- Prakash, K., Mohanty, T., **Pati, J.K.**, Singh, S. and Chaubey, K. (2016), Morphotectonics of the Jamini River basin, Bundelkhandcraton, central India; using remote sensing data and GIS technique. *Appl. Water Sci.* (Springer), doi: 10.1007/s13201-016-0524-y.
- Rai, A.K., Maurya, G.S., Kumar, R., Pathak, A.K., **Pati, J.K.** and Rai, A.K. (2017), Analysis and discrimination of sedimentary, metamorphic and igneous rocks using Laser Induced Breakdown Spectroscopy, *Journal of Applied Spectroscopy* (Springer), v. 83, No. 6 (November-December), 1010-1-1010-7. doi:10.1007/s10812-017-0412-8.

- **Pati, J.K.,**Qu, W.J., Koeberl, C., Reimold, W.U., Chakarvorty, M. and Schmitt, R.T. (2017), Geochemical evidence of an extraterrestrial component in impact melt breccia from the Paleoproterozoic Dhala impact structure, India, *Meteoritics & Planetary Science*(Wiley), 52, 722-736. doi: 10.1111/maps.12826.
- Kumar S.,**Singh P.**, Singh P, Biswal S.,Parija M. P.,(2016), Frequency dependent attenuation characteristics of coda waves in the Northwestern Himalayan (India) region. *Journal of Asian Earth Sciences*, 117, 337-345. (SCI) (Elsevier)
- Singh P.,Kumari S.,**Singh P.**, (2016) Fuzzy efficient interactive goal programming approach for multi-objective transportation problems. *International Journal of Computational Mathematics*, DOI 10.1007/s40819-016-0155-x
- Pandey, P.K. and **Das, S.S.** (2016)Morphometric Analysis of Usri River Basin, Chhotanagpur Plateau, India Using Remote Sensing and GIS.*Arabian Journal of Geosciences*, 9: 240, DOI 10.1007/s12517-015-2287-4.
- **Das, S.S.** (2016) Vertical sequences of Lithofacies in Point Bar and Natural Levee Deposits, Tons River, Allahabad, U.P., India. *International Journal of Environmental Sciences*, 6/5, 656-667. DOI:10.6088/ijes.6070.
- Reddy, L.C.S., **Das, S.S.** and Reddy, K.V. R. (2016) Assessment of Groundwater Contamination Due To Heavy Metal Accumulation: A Study from Tadipatri Area, Andhra Pradesh. *International Jour. of Research*, 3, 469-479.
- **Das, S.S.**, Singh, A. K. and Singh, N.Provenance of bar-top sediments at Tons River near Allahabad. *Jour. Geological Soc. of India*, Accepted for publication.
- Singh, V.B.,**Tripathi, J.N.**, (2016), Identification of critical water quality parameters derived from Principal component analysis: Case study from NOIDA area in India, *American Journal of Water Resources.*, Vol. 4, No. 6, 2016, pp 121-129. doi: 10.12691/ajwr-4-6-1.
- Panthee, S., **Singh, P. K.**,Kainthola, A., & Singh, T. N. (2016). Control of rock joint parameters on deformation of tunnel opening. *Journal of Rock Mechanics and Geotechnical Engineering*, 8(4), 489–498.
- **Singh, P. K.**,Kainthola, A., Panthee, S., & Singh, T. N. (2016). Rockfall analysis along transportation corridors in high hill slopes. *Environmental Earth Sciences*, 75(5), 1–11.
- Madhubabu, N., **Singh, P. K.**,Kainthola, A., Mahanta, B., Tripathy, A., & Singh, T. N. (2016). Prediction of compressive strength and elastic modulus of carbonate rocks. *Measurement: Journal of the International Measurement Confederation*, 88, 202–213.
- Mahanta, B., Singh, H. O., **Singh, P. K.**,Kainthola, A., & Singh, T. N. (2016). Stability analysis of potential failure zones along NH-305, India. *Natural Hazards*, 83, 1341–1357.
- Das, R., **Singh, P. K.**, Kainthola, A., Panthee, S., & Singh, T. N. (2017). Numerical analysis of surface subsidence in asymmetric parallel highway tunnels. *Journal of Rock Mechanics and Geotechnical Engineering*, 9(1), 170–179.
- **Singh, P. K.**,Tripathy, A., Kainthola, A., Mahanta, B., Singh, V., & Singh, T. N. (2017). Indirect estimation of compressive and shear strength from simple index tests. *Engineering with Computers*, 33(1), 1–11.
- Thoithoi, L., Dubey, C.S., **Singh, R.P.**, Ningthoujam, P.S., Shukla, D.P., and Naorem, S.S. (2016) Liquefaction potential evaluation for subsurface soil layers of Delhi Region. *Journal of Geological Society of India*, 88(2), 147-150. (ISSN: 0016-7622 and Journal Impact Factor: 0.596).
- Rout, D., Panigrahi, M.K. and **Pati, J.K.** (2016) Origin and evolution of giant quartz reefs in the Bundelkhandcraton, India: constraints from fluid inclusion study. *Asian Current Research on Fluid Inclusions (ACROFI-VI), IIT, Bombay (November 25-27, 2016)*, Extended Abstract Volume, pp.72-75.
- **Das, S.S.** (2016) Variation of Heavy Minerals in Different Lithofacies and Geomorphic Units of Tons River near Allahabad, Uttar Pradesh. In “*Recent Advancements in Mineral and Water Resource (edited by R.N. Tiwari)*, 90-96, New Delhi, Excellent Publishers, ISBN: 978-93-84935-84-9.
- **Singh P.** Singh S K, (2016) Identification of groundwater conditions using geo-electrical resistivity technique, *Recent Advancements in Mineral and Water Resources* (editor: Rabindra n Tiwari) Excellent Publisher, New Delhi, ISBN: 978-93-84935-84-9, 118-125.

- **Singh, P. K.**, Das, R., Singh, K. K., & Singh, T. N. (2016) Landslide in fractured and stratified rocks- A case from Aizawl, Mizoram, India. In H. Venkatesh& V. Venkateswarlu (Eds.), *International Conference on Recent Advances in Rock Engineering (RARE-2016)* (pp. 189–194). Bengaluru: Atlantis Press.
- **Singh, P.K.**, Kainthola, A., Singh, T.N. (2017) Prediction of working environment and stability issues in an opencast mine. *International Conference on Natural Resources, Environment and Health (ICNREH-2017)*, Rewa (M.P).
- **Singh R.P.**, Dubey, C.S., Verma, N., Ningreichon, A.S. and Singh, B. (2017) The Curse of the Holy Nectar: An attempt to predict the disaster in making. *Proc International Conference on Incessant Ganga*.

DEPARTMENT OF HOME SCIENCE

- Srivastava. S. (2016), *Vastra Vigyan ka Parichay*, ISBN-978-81-85444.51.2-pages 210, Allahabad, Allahabad central publication.
- Srivastava, S. (2016). Fragrance Aroma & Emotion- A Review, *Asian Journal of Home Science*, ISSN 0976-8351 11 (1) June 278-284.
- Singh, M. (2016). Prevent food adulteration to save your kidney, *International Journal of Applied Home Science*, ISSN-2394-1413 vol. 3 issue 5& 6, . 225-232.
- Singh, R. and Srivastava, S. (2016). Toxic textile dyes, *International Journal of Applied Home Science*, ISSN:2394-1413 vol, 3(7&8) August, 324-329.
- Kausher, H. and Srivastava, S. (2016). A review on sizing systems for readymade garments in India and different types of body shapes of females, *International Journal of Home Science*, ISSN: 2395-7476, vol, 2(3) 136-138.
- Fatima, A. (2016).Development of protein rich products using spirulina, *International journal of Advancement in Engineering Technology, Management and Applied Science (IJAETMAS)* ISSN: 2349-3224 3.102 Vol 3 Issue 7 july 198-201.
- Srivastava. S. and Srivastava S. (2017), A comparative study of aroma retention properties of wool, silk and cotton fabric using aromatherapy essential oil, *International Journal of Home Science*, ISSN 2395-7476 3(1): 222-226.

DEPARTMENT OF MATHEMATICS

- Pandey, P.N. and Yadav, G.P. (2016). On Special Conircular R – Lie – Recurrence in Special Finsler Spaces. *International Journal of Pure and Applied Mathematics*, 113 (3), 415-423.
- Pandey, P.N. and Srivastava, V. (2016). On a Perfect Fluid Kahler Spacetime. *Journal of Advances in Physics*, 12 (3), 4350- 4355.
- Pandey, P.N. and Srivastava, V. (2016). On Trans – Sasakian Manifolds. *Journal of International Academy of Physical Sciences*, 20 (1), 2016, 27-36.
- Pandey, P.N. and Kumari, S. (2016). Generalization of Certain Results on Projective Motion in a Finsler Space. *Facta Universitatis, Series: Mathematics and Informatics, Serbia*, 31 (1), 237- 244.
- Pandey, P.N., Shukla, S.K. and Saxena, S. (2016). Lagrange Spaces with Generalized (γ,β) – Metric. *Facta Universitatis, Series: Mathematics and Informatics, Serbia*, 31 (1), 201- 212.
- Pandey, P.N. and Akansha (2016). Nonholonomic Frame for a Finsler Space with Special (α,β) – Metric. *Journal of International Academy of Physical Sciences*, 20 (3), 27-36.
- Shukla, S.S. and Yadav, A. (2016). Screen pseudo-slant lightlike submanifolds of indefinite Sasakian manifolds. *Mediterranean Journal of Mathematics*, 13(2), 789-802.
- Shukla, S.S. and Yadav, A. (2016). Semi-slant lightlike submanifolds of indefinite Sasakian manifolds. *Kyungpook Mathematics Journal*, 56(2), 625-638.
- Shukla, S.S. and Yadav, A. (2016). Screen pseudo-slant lightlike submanifolds of indefinite Kaehler manifolds. *Novi Sad Journal of Mathematics*, 46(1), 147-158.
- Shukla, S.S. and Yadav, A. (2016). Radical transversal screen semi-slant lightlike submanifolds of indefinite Kaehler manifolds. *Matematički Vesnik*, 68(2), 119-129.
- Shukla, S.S. and Yadav, A. (2016). Radical transversal screen pseudo-slant lightlike submanifolds of indefinite Sasakian manifolds. *Seridica Journal of Mathematics*, 42(2), 139-156.

- Shukla, S.S. and Yadav, A. (2016). Screen semi-slant lightlike submanifolds of indefinite Sasakian manifolds. *Hokkaido Mathematics Journal*, 45, 365-381.
- Deo, S., Ansari, I.A. and Srivastava, B.G. (2016). On the general stream function solution of Brinkman equation in the cylindrical polar co-ordinates. *Advances in Theoretical and Applied Mechanics*, 9(1), 21-30.
- Yadav, P.K., Deo, S., Singh, S.P. and Filippov, A. (2017). Effect of magnetic field on the hydrodynamic permeability of a membrane built up by porous spherical particles. *Colloid Journal* 79 (1), 160-171.
- Mishra, L.K and Sharma, B.K. (2016). On transiso graphs of groups of order less than 32. *Journal of International Academy of Physical Sciences*, 20 (2), 93-106.

DEPARTMENT OF PHYSICS

- D. K. Chaudhary, Pankaj Kumar, Lokendra Kumar (2017), "Realization of Efficient Perovskite Solar cell with MEH: PPV hole transport layer", *Journal of Materials Science: Materials in Electronics* 28, 3451–3457.
- D. K. Chaudhary, Lokendra Kumar (2016), "Controlled growth of ZnPc nanostructures via heat assisted solvent vapour treatment method and application in photovoltaic devices", *Journal of Materials Science: Materials in Electronics* 27, 10701–10706.
- D. K. Chaudhary, P. Kumar, Lokendra Kumar (2016), "Evolution in surface coverage of $\text{CH}_3\text{NH}_3\text{PbI}_3$ -XCIX via Heat assisted solvent vapour treatment and their effect of device performances", *RSC Advances*, 6, 94731-94738.
- U. B. Singh, R. P. Yadav, R. K. Pandey, D. C. Agarwal, C. Pannu and A. K. Mittal (2016). 'Insight mechanisms of surface structuring and wettability of ion-treated Ag thin films', *The Journal of Physical Chemistry C*, 120, 5755-5763, DOI 10.1021/acs.jpcc.5b11944. Print Edition ISSN: 1932-7447 Web Edition ISSN: 1932-7455 ACS Publications. American Chemical Society.
- Shikha Awasthi, Rohit Kumar, Alamelu Devnathan, Raghunath Acharya and A K Rai (2017), Multivariate methods for analysis of environmental reference materials using laser-induced breakdown spectroscopy, *Analytical Chemistry Research*, DOI: 10.1016/j.anr.2017.01.001
- Jyotsana Singh, Rohit Kumar, Shikha Awasthi, Vinti Singh, AK Rai (2017), Laser Induced breakdown spectroscopy: A rapid tool for the identification and quantification of minerals in cucurbit seeds, *Food Chemistry*, 221, 1778-1783, DOI: <http://dx.doi.org/10.1016/j.foodchem.2016.10.104>.
- Gulab Singh Maurya, Rohit Kumar, Ajai Kumar and Awadhesh Kumar Rai (2016), Analysis of Impurities on Contaminated Surface of the Tokamak Limiter using Laser Induced Breakdown Spectroscopy, *Spectrochimica Acta Part B: Atomic Spectroscopy*, 126, 17–22.
- A Mubayi, S Chatterji, PK Rai, GS Maurya, AK Rai, G Watal (2016), Laser-Induced Breakdown Spectroscopy Based Study of Antimicrobial Attribute of Nano-Based Phytomaterial, *Materials Focus* 5 (3), 296-301.
- Devesh Kumar Kushawaha, Manjulika Yadav, Sanjukta Chatterji, Gulab Singh Maurya, Awadhesh Kumar Rai, Geeta Watal (2016), Free radical scavenging index of cucurbita maxima seeds and their LIBS based antioxidant elemental profile, *International Journal of Pharmacy and Pharmaceutical Sciences* 8 (4), 344-350.
- Abhishek K. Rai, Gulab S. Maurya, Rohit Kumar, Ashok K. Pathak, Jayanta K. Pati, Awadhesh K. Rai (2016), Analysis and discrimination of sedimentary, metamorphic and igneous rocks using Laser Induced Breakdown Spectroscopy, *J. Appl. Spectrosc.* Vol. 83, No. 6 (Nov-Dec).
- Shikha Awasthi, Rohit Kumar, G K Rai, A K Rai (2016), Study of Archeological coins of different Dynasty using LIBS coupled with Multivariate analysis, *Optics and Laser Engineering* 79, 29–38
- Vijay Karki, Arnab Sarkar, Manjeet Singh, Gulab Singh Maurya, Rohit Kumar, Awadhesh Kumar Rai, Suresh Kumar Aggarwal (2016), Comparison of Spectrum Normalization Techniques for Uni-variate Analysis of Stainless Steel by Laser Induced Breakdown Spectroscopy (Comparison of spectrum normalization techniques in LIBS), *Pramana* 86(6), 1313-1327, DOI 10.1007/s12043-015-1180-8.
- A. K Rai, G. S. Maurya and Ajay Kumar, Kiran (2016), Experimental setup for on line study of impurities on plasma facing components of Aditya tokamak using LIBS, (*A Bulletin of the Indian Laser Association*), 27, No.3, 1-4.
- Namrata Shukla and R. Prakash (2016), Simultaneous polarization squeezing in polarized N photon state and diminution on a squeezing operation, *Optics Communications* 374, 8-12.

- Namrata Shukla and R. Prakash (2016), Polarization squeezing in degenerate parametric amplification of coherent light, *Modern Physics Letters B* 30 (06), 1650055
- Namrata Shukla and R. Prakash (2016), Large polarization squeezing in non-degenerate parametric amplification of coherent radiation, *Optics and Spectroscopy* 120 (1), 134-137
- Namrata Shukla, Ranjana Prakash (2016), Alteration in Non-Classicality of Light on Passing Through a Linear Polarization Beam Splitter arXiv:1603.08477 *Optics (physics.optics); Quantum Physics (quant-ph)*
- Namrata Shukla, Ranjana Prakash (2016), Large Polarization Squeezing in Non-Degenerate Parametric Amplification of Coherent Radiation, arXiv:1612.03251 *Quantum Physics (quant-ph)*.
- Namrata Shukla, Ranjana Prakash (2016), Polarization squeezing in polarized light, arXiv:1612.03249 *Quantum Physics (quant-ph)*.
- Namrata Shukla, Ranjana Prakash (2016), Polarization Squeezing in Degenerate Parametric Amplification of Coherent Light, arXiv:1610.06982 *Quantum Physics (quant-ph)*
- Namrata Shukla, Ranjana Prakash, Simultaneous polarization squeezing in polarized N photon state and diminution on a squeezing operation, arXiv:1603.08480, *Quantum Physics (quant-ph)* (2016)
- P.S. Yadav and D. K. Pandey (2016), Ab-initio study of physical & electronic properties of Zn_xTe_y (x+y=2 to 4) nanoclusters.
- P. S. Yadav and D. K. Pandey (2016), A DFT study for the structural and electronic properties of Zn_mSe_n nanoclusters, 2nd Int. Conf. on Advanced Nanomaterials and Nanotechnology 'ICANN-2011' at IIT Guwahati during December 8 – 10.
- H Prakash, DK Mishra (2016). Quantum analysis of a beam splitter with second-order nonlinearity and generation of nonclassical light, *JOSA B* 33 (7), 1552-1557
- P Kumar, R Kumar, H Prakash (2016), Simultaneous higher-order Hong–Mandel's squeezing and higher-order sub-Poissonian photon statistics in superposed coherent states, *Optik-International Journal for Light and Electron Optics* 127 (11), 4826-4830
- MK Mishra, AK Maurya, H Prakash (2016), Quantum discord and entanglement of quasi-Werner states based on bipartite entangled coherent states, *International Journal of Theoretical Physics* 55 (6), 2735-2745
- V Verma, H Prakash (2016), Standard Quantum Teleportation and Controlled Quantum Teleportation of an Arbitrary N-Qubit Information State, *International Journal of Theoretical Physics* 55 (4), 2061-2070
- AK Maurya, MK Mishra, H Prakash (2016), Two-way quantum communication: Generalization of secure quantum information exchange to quantum network, *Pramana* 86 (3), 515-526.
- D. K. Chaudhary, Lokendra Kumar (2016), Controlled growth of ZnPc nanostructures via heat assisted solvent vapour treatment method and application in photovoltaic devices, *Journal of Materials Science: Materials in Electronics* 27, 10701–10706.
- D. K. Chaudhary, P. Kumar, Lokendra Kumar (2016), Evolution in surface coverage of CH₃NH₃PbI₃-XCIX via Heat assisted solvent vapour treatment and their effect of device performances, *RSC Advances* 6 (2016) 94731-94738.
- Haejun Chung, Rahul Singh, Lokendra Kumar, Muhammad A. Alam (2016), Characterization and Redesign of Perovskite/Silicon Tandem Cells, Peter Bermel Photovoltaic Specialists Conference (PVSC), 2016 IEEE 43rd Proc. 978-1-5090-2724-8, (ISBN - 978-1-5090-2724-8).
- Aashit K. Jaiswal, M. Wan, S. Singh, D.K. Singh, R.R. Yadav, D. Singh, G. Mishra (2016), Experimental investigation of thermal conduction in copper-palladium nanofluids, *Journal of Nanofluids* 5 (4), 496-501.
- Aashit Kumar Jaiswal, Mayank Gangwar, Gopal Nath and R.R. Yadav (2016), Antimicrobial Activity of Bimetallic Cu/Pd Nanofluids”, *Journal of Advanced Chemical Engineering* 6:151.
- Archana Singh, Ajendra Singh, Satyendra Singh, Poonam Tandon, R. R. Yadav (2016), Synthesis, Characterization and Gas Sensing Capability of Ni_xCu_{1-x}Fe₂O₄ (0.0<x<0.8) Nanostructures Prepared via Sol-Gel Method”, *Journal of Inorganic and Organometallic Polymers and Materials*, Springer.

- Rajesh Kumar, Rajesh Kumar Singh, Dinesh P. Singh, Alfredo R. Vaz, Raja R. Yadav, C.S. Rout, S. A. Moshkalev (2017), Synthesis of self assembled and hierarchical palladium- CNTs-reduced graphene oxide composites for enhanced field emission properties, *Materials and Design* (Elsevier) 122, 110-117.
- Sweta Sharma & K. N. Uttam (2016), Investigation of the manganese stress on wheat plant by attenuated total reflectance Fourier transform infrared spectroscopy, *Spectroscopy Letters*, 49, 520-528.
- Maurya S, Bhardwaj A.K, Gupta K.K, Agarwal S, Kushwaha A, Chaturvedi V, Pathak R.K, Gopal R, Uttam K.N, Singh A.K, Verma V and Singh M.P. (2016), Green Synthesis of Silver Nanoparticles using *Pluerotus* and its Bactericidal Activity, *Cellular and Molecular Biology*, Cell Mol Biol 62, 3.
- Abhishek Shukla, Abhishek K. Bhardwaj, S.C. Singh, K.N. Uttam and R. Gopal (2016), PVA-Assisted Pulsed Laser Ablation Synthesized Manganese Ferrite Nanomaterials, *Proc. National Laser Symposium (NLS-5) KIIT, Bhubneshwar*, Identifier: CP-6.16.
- Abhi Sarika Bharti, Nidhi Shukla, and K. N. Uttam (2016), Steady State and Time Resolved Laser Induced Fluorescence Measurements of Titanium dioxide Nanoparticles Treated Garlic Plants, *Proc. National Laser Symposium (NLS-5) KIIT, Bhubneshwar*, Identifier: CP-10.5.
- Abhi Sarika Bharti, Nidhi Shukla, Sweta Sharma, Shuchi Srivastava and K. N. Uttam (2016), Simultaneous detection of essential and trace metal in the *Allium cepa* (Onion) using laserinduced breakdown spectroscopy, *Proc. of National Laser Symposium (NLS-5) KIIT, Bhubneshwar*, Identifier: CP-9.3.
- Nidhi Shukla, Abhi Sarika Bharti, Sweta Sharma, Neha Ojha, M.N. Deo and K. N. Uttam (2016), Investigation of Biochemicals in the Green *Capsicum annum* by FT-Raman Spectroscopy, *Proc. National Laser Symposium (NLS-5) KIIT, Bhubneshwar*, Identifier: CP-10.2.
- Sweta Sharma, Abhishek Bhardwaj, R. Gopal, and K.N. Uttam (2016), Laser induced fluorescence measurements of the quenching of chlorophyll fluorescence induced by silver nanoparticles, *Proc. National Laser Symposium (NLS-5) KIIT, Bhubneshwar*, Identifier: CP-10.3.
- Nidhi Shukla, Abhi Sarika Bharti, Shuchi Srivastava and K. N. Uttam (2016), Quantitative Assessment of Elements in Edible Vegetable Beetroot by Laser Induced Breakdown Spectroscopy, *Proceedings of National Laser Symposium (NLS-5) KIIT, Bhubneshwar*, Identifier: CP-9.6.
- Mapping of the Biochemical in Tomato Fruit by Confocal Raman Spectroscopy Sweta Sharma, Rahul Uttam, Nidhi Shukla, Abhi Sarika Bharti and K.N. Uttam, *Proc. National Laser Symposium (NLS-5) KIIT, Bhubneshwar*, 20-23 Dec (2016), Identifier: CP-9.15.
- Molecular dynamics of interaction between chlorophyll and zinc oxide nanoparticles: A steady state fluorescence quenching study, Sweta Sharma and K.N. Uttam, *Proc. National Laser Symposium (NLS-5) KIIT, Bhubneshwar*, Identifier: CP-10.4.
- Enhanced Antibacterial Activity of Copper/Copper Oxide nanowire prepared by pulsed laser ablation in water medium, RK Swarnkar, J.K. Pandey, K.K. Soumya, P. Dwivedi, S. Sundaram, S. Prasad and R. Gopal, *Applied Physics A* 122 (2016) 1-7.
- A.K. Shahi, B.K. Pandey, B.P. Singh, B.K. Gupta, Sukhvie Singh and R. Gopal (2016), Photo Physical Studies of PVP Arrested ZnS Quantum Dots, *Electron Mater. Lett.* DOI 10.1007/s13391-017-6132-7.
- A.K. Shahi, B.K. Pandey, B.P. Singh and R. Gopal (2016), Structural and optical properties of solvothermal synthesized nearly monodispersed CdSe nanocrystals, *Advances in Natural Sciences: Nanoscience and Nanotechnology* 7, 035010.
- Abhishek Shukla, Abhishek Bhardwaj, K.N. Uttam & R. Gopal, (2016) PVA Assisted PLA Synthesized Manganese Ferrite Nanomaterials, *Proc. DAE-BRNS NLS-25 Bhubaneswar*.
- LIF measurements of the quenching of chlorophyll fluorescence induced by silver nanoparticles, Sweta Sharma, Abhishek Bhardwaj, R.Gopal and K.N. Uttam, *Proc. DAE-BRNS NLS-25 Bhubaneswar* (2016).
- Ram Kripal and Anurag Mishra (2016), Ground state wave function and crystalline field effect on EPR parameters of VO₂⁺ ion, *Int. J. Eng. Res. Sci. (IJOER)*, 4, 100-106, issue 2.
- Ram Kripal and Awadhesh Kumar Yadav, (2016), Modeling of Cr³⁺ doped D-gluconic acid monohydrate, *Chin. J. Phys.* 54, 159-163.

- C. Rudowicz, D. Yadav, R. Kripal and P. Gnutek, J. (2016), Standardization of crystal field parameters for rare-earth (RE³⁺) ions at monoclinic sites in selected laser crystals, *Alloys Compds.*, 666, 468-475.
- Ram Kripal and Awadhesh Kumar Yadav (2016), Theoretical calculation of the optical and EPR spectra for VO₂⁺ in zinc lactate trihydrate single crystal, *Adv. Alloys Compds.*, 3, 8-14.
- Ram Kripal and Awadhesh Kumar Yadav (2016), Modeling of Mn²⁺ doped zinc sulfide nano crystals, *Iranian J. Sci. Tech. Trans. A: Sci.*, 2016, Accepted, 3 Jan. 2017.
- R. Kripal, Sanjay Misra and Awadhesh Kumar Yadav (2017), EPR and optical study of Cu²⁺ doped potassium hydrogen bis homophthalate, *Adv. Alloys compds.* 4, 1-16.
- Ram Kripal, Sanjay Misr and Awadhesh Kumar Yadav (2016), Crystalline field effect on ESR parameters of Cu²⁺ ion, *Int. J. Eng. Res. online (IJOER)*, 4, 300-304, issue 6.
- Ram Kripal, Sanjay Misra and Awadhesh Kumar Yadav (2017), Crystalline Field Effect on bonding Parameters of VO₂⁺ Ion, *Boson J. Mod. Phys.*, 3 208-213.
- Ram Kripal and Upendra M. Tripathi (2017), Synthesis and Characterization of Mn₂⁺ Doped CdS Quantum Dots, *Adv. Sci. Eng. Med.*
- N. Pant, A. L. Verma, S. D. Pandey and Ram Kripal (2017), Electron Paramagnetic Resonance studies of vanadyl doped K_{1.98}(NH₄)_{0.2}(C₂O₄)₂.H₂O system, , *National Acad. Sci. Lett.*
- RK Anand and HC Yadav (2016), The effects of viscosity on the structure of shock waves in a non-ideal gas. *Acta Physica Polonica* 129, 28–34 (7pp) doi: 10.12693/APhysPolA.129.28

DEPARTMENT OF STATISTICS

- Singh, Alok Kumar and Lalitha, S. (2017). *Communication in Statistics- Theory and Methods* · March 2017, DOI: 10.1080/03610926.2017.1301477.
- Chaturvedi, A. Dubey, A. and Gulati, C.M. (2016). Control Charts for the Autocorrelated Observations on Grid, *Journal of Statistical Theory and Practice*, 10(3), 539-549.
- Pal, A. Chaturvedi, A. Dubey, A. (2016). Shrinkage Estimation in Spatial Autoregressive Model, *Journal of Multivariate Analysis*, 143, 362-373.
- Gaur, P. and Chaturvedi, A. (2016). Mining SNPs in extracellular vesicular transcriptome of Trypanosomacruzi: a step closer to early diagnosis of neglected Chagas disease, *PeerJ* 4:e2693, <https://doi.org/10.7717/peerj.2693>.
- Lalitha, S. and Tripathi, Pratyasha (2016). Detection of a pair of outliers in a sample from a Gumbel distribution with known scale parameter, *Journal of Applied Statistics*, published online December 2016, <http://dx.doi.org/10.1080/02664763.2016.1273885>.
- Shrivastava, A. and Chaturvedi, A(2016). A Bayesian Analysis of a Linear Model Involving Structural Changes in Either Regression Parameters or Disturbances Precision), *Communications in Statistics (Theory and Methods)*, 45(2), 307-320
- Pandey, R and Chaturvedi, A. (2016). Bayesian Inference for State Space Model with Panel Data Statistics in Transition, 17(2), 211–219.

DEPARTMENT OF ZOOLOGY

- Srivastava, U.C., Singh, Sippy and Durgesh Singh (2016), Avian hippocampus and its periodic plasticity (Book Published by Indian Science Congress held at Mysore University, Mysuru from 3rd-7th January. IN PRESS-Book Chapter
- K. P. Singh and M. K. Singh (2017). In utero exposure to atypical antipsychotic drug, risperidone: Effects on fetal neurotoxicity in hippocampal region and cognitive impairment in rat offspring. *Progress in Neuropsychopharmacology & Biological Psychiatry*, 75, 35–44, (Elsevier) Impact Factor: 4.3)
- Pandey SP, Mohanty B. (2017). Disruption of the hypothalamic-pituitary-thyroid axis on co-exposures to dithiocarbamate and neonicotinoid pesticides: study in a wildlife bird, *Amandava amandava*. *Neurotoxicology*, 60, 16-22, (Elsevier) IF: 2.73
- Pandey SP, Tsutsui K, Mohanty B. (2017). Endocrine disrupting pesticides impair the neuroendocrine regulation of reproductive behaviors and secondary sexual characters of red munia (*Amandava amandava*). *Physiology & Behavior*, 173, 15-22, (Elsevier) IF: 2.46.

- Bhaskar Rakesh, Mishra Ashish K and Mohanty Banalata (2017). Neonatal Exposure to Endocrine Disrupting Chemicals Impairs Learning Behaviour by Disrupting Hippocampal Organization in Male Swiss Albino Mice, *Basic Clinical Pharmacology Toxicology*, 1-9, (Wiley), IF 3.097.
- Begum, N. and Pandey, R.S. (2017). Impact of *Calotropis procera* and *Annona squamosa* alcoholic extract on phosphatases and transaminases activities in *Musca domestica*. *Nat. Acad. Sci. Lett.* DOI 10.1007/s40009-017-0546-5.
- S. Tripathi, A. Gopesh and A. C. Dwivedi (2017) Framework and sustainable audit for the assessing of the Ganga River ecosystem health at Allahabad (India). *Asian Journal of Environmental Science, India*.
- Srivastava U.C., Singh Sippy and Durgesh Singh. (2017). Neuronal classes in different vertebrates. *Asian Journal of Experimental Sciences*. ISSN No: 0971-5444. (Accepted)
- K.P. Singh., M.K. Singh and S. Gautam (2016). Effect of in utero exposure to the atypical anti-psychotic risperidone on histopathological features of the rat placenta. *International Journal of Experimental Pathology*, 97, 125–132 (Wiley) Impact Factor: 2.13
- K.P. Singh., M.K. Singh and Manish Singh. (2016). Effects of prenatal exposure to antipsychotic risperidone on developmental neurotoxicity, apoptotic neurodegeneration and neurobehavioral sequelae in rat offspring. *International Journal of Developmental Neuroscience* 52: 13-23, (Elsevier) Impact Factor: 2.66
- KP Singh & Kiran Gupta (2016). Prenatal exposure to valproic acid and gabapentin on maternal, fetal, neonatal weight gain and postnatal development. *International Journal of Development Research*. 06: 6425-6432.
- K.P. Singh, Ayesha Mariya, Ashutosh Tripathi, Mohd Masood, Niraj Kumar (2016). Degradation and Human Health Risk Assessment of Underground Water of Trans Ganga- Yamuna Rural Regions of A North Indian district. *International Journal of Toxicology Environmental Science* 1(1): 1-9.
- Ashutosh Kumar Srivastava and Krishna Kumar (2016), Ultrastructure of egg chorion of castor butterfly *Ariadne merione* (Cramer) (Lepidoptera: Nymphalidae). *Zoologischer Anzeiger*, 263: 1-5. (Elsevier) (Impact Factor: 1.4)
- Tiwari, R.K., Singh, S., Pandey, R.S. and Sharma, B. (2016). Enzymes of earthworm as indicators of pesticide pollution in soil. *Adv. Enz. Res.* 4, 113-124.
- Verma, J., Gopesh, A. and Nautiyal, P. (2016) Longitudinal distribution, richness and diversity of the epilithic diatom flora in a plateau of Tons river. *Journal of Applied and Natural Science (An International Journal)* 3(2); 32-37. ISSN 0974-9411 (Print); ISSN 2231-5209 (Online). Indexed.
- Verma, J., Amalava Bhattacharyya., Nautiyal, P., Gopesh, A. and Prateek Srivastava (2016). Diatoms of subsurface sediment from Durang Drung Glacier Ladakh. *Journal of Kalash Sciences*, 4(1), 19- 25.
- Verma, J., Gopesh, A. and Nautiyal, P. (2016). Biogeography and distribution of Bacillariophyceae in the Highland Rivers of India. *International Journal of Applied Research*. 2(4), 356-359. IF-5.2, SCOPUS Indexed 2394-7500
- Singh, S.K., Bano, F., Mohanty, B. (2016). Vitamin E pretreatment prevents the immunotoxicity of dithiocarbamate pesticide mancozeb in vitro: A comparative age-related assessment in mice and chick. *Pesticides Biochemistry and Physiology*. 126, 76–84. (Elsevier), IF: 2.388.
- Srivastava, U.C.; Singh, Durgesh; Kumar, Prashant and Singh, Sippy (2016), Neuronal diversity and their spine density in Hippocampal Complex of Food Storing bird *Corvus splendens* (Vieillot, 1817). *Can. J. Zool.* 94: 541-553. (Impact factor: 1.52) (ISSN 0008-4301)
- Singh, Sippy; Chauhan, Prashant; Singh, Durgesh and Srivastava, U.C.: Distribution of Non-pyramidal neurons in the Frontal lobe of Indian gray mongoose (*Herpestes edwardsii*). *Proc. Natl Acad. Sci. India* (2016). DOI: 10.1007/s40011-016-0748-5 (ISSN: 0369-8211)

CENTRE OF BIOTECHNOLOGY

- **Singh, M.P.**, Verma, V., and Singh, A.K. (2017). *Incredible World of Biotechnology*, pp 1-190. New York (USA): Nova Science Publishers.
- Bhardwaj AK, Shukla A, Mishra RK, Singh SC, Mishra V, Uttam KN, **Singh MP**, Sharma S and Gopal R (2017) Power and Time Dependent Microwave Assisted Fabrication of Silver Nanoparticles Decorated Cotton (SND) Fibers for Bacterial Decontamination. *Front. Microbiol.* 8:330. doi: 10.3389/fmicb.2017.00330
- Bhatnagar D, Palit S, **Singh MP**, Kaur I, Kumar A (2016) Recent Advances in Cardiac Troponin I Based Sensors for Detection of Human Heart Attack. *Cell Mol Biol* 62: 142. doi: 10.4172/1165-158X.1000142.
- Verma V, Yadav CB, Tabassum N, Kumar M, **Singh MP**, Singh AK, Kumar A, Singh B and Gautam SK (2016) Stem Cell Therapy: The Methods in the Madness. *Cell Mol Biol* 62: 134. doi: 10.4172/1165-158X.1000134.
- Verma V, Tabassum N, Yadav CB, Kumar M, Singh AK, **Singh M.P**, Kumar A, Singh B and Gautam S.K

- (2016) Cord Blood Banking: An Indian Perspective. *Cell Mol Biol* 62: 133. doi: 10.4172/1165-158X.1000133.
- Singh V, **Singh MP**, Verma V, Singh P, Srivastava R and Singh AK (2016) Characteristics of Cold Adapted Enzyme and Its Comparison with Mesophilic and Thermophilic Counterpart. *Cell Mol Biol* 62: 144. doi: 10.4172/1165-158X.1000144.
 - Maurya S, Bhardwaj AK, Gupta KK, Agarwal S, Kushwaha A, Chaturvedi, VK, Pathak R.K, Gopal R, Uttam K.N, Singh A.K, Verma V and **Singh M.P** (2016) Green Synthesis of Silver Nanoparticles using *Pleurotus* and its Bactericidal Activity. *Cell Mol Biol* 62: 131. doi: 10.4172/1165-158X.1000131.
 - **Singh MP**, Srivastava AK (2016) Decolorization of Synthetic Textile Dye and Enzymes Production by Improved Strains of *Pleurotus* Species. *Cell Mol Biol* 62: 145. doi: 10.4172/1165-158X.1000145.
 - Naraiyan R, **Singh MP** (2016) Improved Yield of Ligno-Cellulolytic Enzymes on Oyster Shell Powder Added Typha Weed Substrate by *Pleurotus florida*. *Cell Mol Biol* 62: 143. doi: 10.4172/1165-158X.1000143.
 - Gupta KK, Maurya S, Agarwal S, Kushwaha A, Kumar R, Pandey, A.K, Singh A.K, Verma V and **Singh M.P** (2016) Antioxidant Assessment of Extracts Obtained through Hot Extraction Process. *Cell Mol Biol* 62: 129. doi: 10.4172/1165-158X.1000129.
 - Kushwaha A, Agarwal S, Gupta KK, Maurya S, Chaturvedi AK, Pathak, RK and **Singh M.P** (2016) Effect of Ethidium Bromide on Extracellular Laccase Production by *Pleurotus citrinopileatus*. *Cell Mol Biol* 62: 132. doi: 10.4172/1165-158X.1000132.
 - **Singh M**, Wegmann R (2016) BIOCUMBH 2016 Allahabad. General Information. *Cell Mol Biol* 62: 126. doi: 10.4172/1165-158X.1000126.
 - Agarwal S, Vaseem H, Kushwaha A, Gupta K.K, Maurya S, Chaturvedi V.K, Pathak R.K and **Singh M.P** (2016) **Yield, Biological Efficiency and Nutritional Value of Pleurotus sajor-caju Cultivated on Floral and Agro-waste** *Cell Mol Biol* 62 DOI: 10.4172/1165-158X.1000130
 - Naraiyan, R., **Singh, M.P.** and Ram, S. (2016) Supplementation of Basal Substrate to Boost up Substrate Strength and Oyster Mushroom Yield: An overview of Substrates and Supplements *Int. J. Curr. Microbiol. App. Sci* 5(5): 543-553.
 - **Singh, M.P.** (2017). The Mushrooming of Mushroom Biotechnology. In: *Incredible World of Biotechnology*,(edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 1-12. New York (USA): Nova Science Publishers.
 - Agrawal, S., Kushwaha, A., Verma, V. and **Singh, M.P.** (2017). Nutritional attributes of *Pleurotus* mushroom. In: *Incredible World of Biotechnology*,(edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 13-24. New York (USA):Nova Science Publishers,
 - Kushwaha, A., Agarwal, S., Gupta, K.K., Maurya, S., Chaurasia, P.K., Singh, A.K. and **Singh, M.P.** (2017). Laccase Enzyme from White Rot Fungi: An Overview and Its Applications. In: *Incredible World of Biotechnology*,(edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 25-42. New York (USA):Nova Science Publishers,
 - Gupta, K.K., Agarwal, S., Kushwaha, A., Maurya, S., Chaturvedi, V.K., Pathak, R.K., Verma, V. and **Singh, M.P.** (2017). Oyster Mushroom: A Rich Source of Antioxidants. In: *Incredible World of Biotechnology*,(edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 43-58. New York (USA):Nova Science Publishers,
 - Maurya, S., Chaurasia, P.K., Gupta, K.K., Kushwaha, A., Bhardwaj, A.K. and **Singh, M.P.** (2017). The Effects of Nanoparticles on Laccase Production and Its Activity. In: *Incredible World of Biotechnology*, (edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 59-66. New York (USA): Nova Science Publishers,
 - Singh, A.K., Singh, V., Chaturvedi, V.K., **Singh, M.P.** and Verma, V. (2017). In: *Incredible World of Biotechnology*,(edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 67-78. New York (USA): Nova Science Publishers,
 - Verma, V., Tabassum, N., Yadav, C.B., Kumar, M., Kumar, A., Singh, L. **Singh, M.P.** and Singh, A.K.(2017). Mesenchymal Stem Cell Derived Exosomes: A Potential Novel Tool for Cancer Therapy. In: *Incredible World of Biotechnology*,(edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 79-96. New York (USA): Nova Science Publishers,
 - Tabassum, N., Verma, V., Yadav, C.B., Kumar, M., Kumar, A., Mukherjee, A. **Singh, M.P.** and Singh, A.K. (2017). Regulatory Networks in Mesenchymal Stem Cells. In: *Incredible World of Biotechnology*, (edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 97-118. New York (USA): Nova Science Publishers.
 - Yadav, C.B., Verma, V., Tabassum, N., Kumar, M., Kumar, A., Bajpayee, A.K., Dwivedi, S., **Singh, M.P.** and Singh, A.K. (2017). Progress, Problems and Prospects of Livestock Pluripotent Stem Cells. In: *Incredible World of Biotechnology*,(edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 119-146. New York

(USA):Nova Science Publishers,

- Vaseem, H., Singh, V.K. and **Singh, M.P.** (2017). Nanotoxicity: Environmental Fate and Ecotoxicity of Nanoparticles. In: *Incredible World of Biotechnology*,(edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 147-162. New York (USA): Nova Science Publishers.
- Bhardwaj, A. K., Shukla, A. Maurya, S., **Singh, M.P.**, Uttam, K.N. and Gopal R. (2017). The Impact of Metal Nanoparticles on Our Environment. The Scenario of Macro-Fungi in Biological Remediation of Some Hazardous Materials. In: *Incredible World of Biotechnology*, (edited by M.P. Singh, V. Verma and Ashish Kumar Singh), pp 163-176. New York (USA): Nova Science Publishers,.
- Singh, V.K., Vaseem, H. and **Singh, M.P.** (2017). The Scenario of Macro-Fungi in Biological Remediation of Some Hazardous Materials. In: *Incredible World of Biotechnology*,(edited by M. P. Singh, V. Verma and Ashish Kumar Singh), pp 177-190. New York (USA): Nova Science Publishers,
- **Nath, A.**, Rai, A. K. and Sundaram, S. (2017). Microalgal consortia differentially modulate progressive adsorption of hexavalent chromium. *Physiology and Molecular Biology of Plants*, 23(2), 269-280.
- **Nath, A.**, Vajpayee, G., Dixit, K., Rahman, A., Kannaujiya, V. K. and Sundaram S. (2017). Micro-algal consortia complexity enhances ecological biomass stability through CO₂ sequestration. *J. Algal Biomass Utln.*, 8(1): 19-34. eISSN: 2229 – 6905.
- **Vajpayee, G.**, Asthana, S., and Sundaram, S. (2017). Growth inhibitory properties of *Pseudomonas fluorescens* against wheat pathogen fungus. *Journal of Agricultural Biotechnology and Sustainable Development*, (0265) (Accepted)
- **Dixit, K.**, Rahman, A., Nath, A. and Sundaram, S.(2016). Elucidating hydrogenase surfaces and tracing the intramolecular tunnels for hydrogenase inhibition in microalgal species. *Bioinformatics* 12(3): 165-171.
- **Rahman, A.**, Kannaujiya, V.K., Rajneesh, Nath, A., Dixit, K., Sinha, R.P. and Sundaram, S. (2016). Impacts of ultraviolet-B and photosynthetically active radiation on *Anabaena cylindrica* and *Synechocystis* PCC 6803: a comparative study. *Indian Journal of Natural Science*, 6, 11073-11083.
- **Kannaujiya, V.K.**, Rahman, A., Nath, A., Pathak, J., Sonker, A.S., Rajneesh, Sundaram, S. and Sinha, R.P. (2016). Cumulative effects of ultraviolet radiation and photosynthetically active radiation on phycobiliproteins of a hot-spring cyanobacterium *Nostoc* sp. Strain HKAR-2. *International Journal of Applied Science and Biotechnology*, 4, 247-253.
- **Kannaujiya, V.K.**, Rahman, A., Nath, A., Sundaram, S. and Sinha, R.P. (2016). Structural and functional dynamics of tyrosine amino acid in phycocyanin of hot-spring cyanobacteria: A possible pathway for internal energy transfer. *Gene Reports*, 5, 83-91.
- **Sinha, S.** And Sundaram, S. (2016). An analysis of phosphorylation sites in Protein Kinases from *Leishmania*. *Bioinformatics*, 12(4), 249-253.
- **Asthana, S.**, Vajpayee, G. and Sundaram, S.(2016). Evaluation of Antagonist of *Bacillus spp.* Against Plant Pathogenic fungus. *Indian Journal of Natural Sciences (IJONS)*, 6.
- **Nath, A.**, Vajpayee, G., Dixit, K., Rahman, A., Kannaujiya, V.K. and Sundaram, S. (2017). Standing stock production by microalgal consortia for CO₂ sequestration and mitigation. *International Conference on Recent in Engineering and Material Sciences Proceedings*, pp 2214-2216. Jaipur National University, Jaipur.

CENTRE OF BIOINFORMATICS

- Bhardwaj, AK, Shukla A, Mishra RK, Singh SC, Mishra V, Uttam KN, **Singh MP**, Sharma S and Gopal R (2017), Power and Time Dependent Microwave Assisted Fabrication of Silver Nanoparticles Decorated Cotton (SNDC) Fibers for Bacterial Decontamination. *Front. Microbiol.* 8:330. doi: 10.3389/fmicb.2017.00330 (IF 4.165)
- Bhatnagar D, Palit S, **Singh MP**, Kaur I, Kumar A (2016) Recent Advances in Cardiac Troponin I Based Sensors for Detection of Human Heart Attack. *Cell Mol Biol* 62: 142. doi: 10.4172/1165-158X.1000142 (IF 0.605)
- Verma V, Yadav CB, Tabassum N, Kumar M, **Singh MP**, Singh AK, Kumar A, Singh B and Gautam SK (2016) Stem Cell Therapy: The Methods in the Madness. *Cell Mol Biol* 62: 134. doi: 10.4172/1165-158X.1000134 (IF 0.605).
- Verma V, Tabassum N, Yadav CB, Kumar M, Singh AK, **Singh M.P**, Kumar A, Singh B and Gautam S.K (2016) Cord Blood Banking: An Indian Perspective. *Cell Mol Biol* 62: 133. doi: 10.4172/1165- 158X.1000133(IF 0.605)
- Singh V, **Singh MP**, Verma V, Singh P, Srivastava R and Singh AK (2016) Characteristics of Cold Adapted Enzyme and Its Comparison with Mesophilic and Thermophilic Counterpart. *Cell Mol Biol* 62: 144. doi: 10.4172/1165-158X.1000144 (IF 0.605).

- Maurya S, Bhardwaj AK, Gupta KK, Agarwal S, Kushwaha A, Chaturvedi, VK, Pathak R.K, Gopal R, Uttam K.N, Singh A.K, Verma V and **Singh M.P** (2016) Green Synthesis of Silver Nanoparticles using *Pluerotus* and its Bactericidal Activity. Cell Mol Biol 62: 131. doi: 10.4172/1165-158X.1000131(IF 0.605).
- **Singh MP**, Srivastava AK (2016) Decolorization of Synthetic Textile Dye and Enzymes Production by Improved Strains of *Pleurotus* Species. Cell Mol Biol 62: 145. doi: 10.4172/1165-158X.1000145 (IF 0.605).
- Naraian R, **Singh MP** (2016) Improved Yield of Ligno-Cellulolytic Enzymes on Oyster Shell Powder Added Typha Weed Substrate by *Pleurotus florida*. Cell Mol Biol 62: 143. doi: 10.4172/1165-158X.1000143 (IF 0.605)
- Gupta KK, Maurya S, Agarwal S, Kushwaha A, Kumar R, Pandey, A.K, Singh A.K, Verma V and **Singh M.P** (2016) Antioxidant Assessment of Extracts Obtained through Hot Extraction Process. Cell Mol Biol 62: 129. doi: 10.4172/1165-158X.1000129 (IF 0.605).
- Kushwaha A, Agarwal S, Gupta KK, Maurya S, Chaturvedi AK, Pathak, RK and **Singh M.P** (2016) Effect of Ethidium Bromide on Extracellular Laccase Production by *Pleurotus citrinopileatus*. Cell Mol Biol 62: 132. doi: 10.4172/1165-158X.1000132 (IF 0.605).
- **Singh M**, Wegmann R (2016) BIOCUMBH 2016 Allahabad. General Information. Cell Mol Biol 62: 126. doi: 10.4172/1165-158X.1000126 (IF 0.605).
- *Agarwal S, Vaseem H, Kushwaha A, Gupta K.K, Maurya S, Chaturvedi V.K, Pathak R.K and Singh M.P.* (2016), Yield, Biological Efficiency and Nutritional Value of *Pleurotus sajor-caju* Cultivated on Floral and Agro-waste Cell Mol Biol 62 DOI: 10.4172/1165-158X.1000130 (IF 0.605)
- Naraian, R., **Singh, M.P.** and Ram, S. (2016) Supplementation of Basal Substrate to Boost up Substrate Strength and Oyster Mushroom Yield: An overview of Substrates and Supplements Int. J. Curr. Microbiol. App. Sci 5(5): 543-553.
- Singh V., Sharma, V., and **Katara, P.** (2016) Comparative transcriptomics of rice and exploitation of target genes for blast infection. Agri Gene 1, 143-150.
- Singh, V. Alam, A. **Katara, P.** and Sharma V. (2016) Co-Regulatory Genes of CEBiP: A Stress Responsive Gene for Rice Blast Infection. MOJ Proteomics Bioinform 4(3): 00123. DOI:10.15406/mojpb.2016.04.00123.
- Gaur, P. and Chaturvedi, A. (2016) Mining SNPs in extracellular vesicular transcriptome of Trypanosoma cruzi: a step closer to early diagnosis of neglected disease chagas PeerJ. 2016 Nov 24;4:e2693
- **Singh, M.P.** 2017. The Mushrooming of Mushroom Biotechnology. In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 1-12.
- Agrawal, S., Kushwaha, A., Verma, V. and **Singh, M.P.** (2017). Nutritional attributes of *Pleurotus* mushroom. In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 13-24.
- Kushwaha, A., Agarwal, S., Gupta, K.K., Maurya, S., Chaurasia, P.K., Singh, A.K. and **Singh, M.P.** (2017). Laccase Enzyme from White Rot Fungi: An Overview and Its Applications. In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 25-42.
- Gupta, K.K., Agarwal, S., Kushwaha, A., Maurya, S., Chaturvedi, V.K., Pathak, R.K., Verma, V. and **Singh, M.P.** (2017). Oyster Mushroom: A Rich Source of Antioxidants. In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 43-58.
- Maurya, S., Chaurasia, P.K., Gupta, K.K., Kushwaha, A., Bhardwaj, A.K. and **Singh, M.P.** (2017). The Effects of Nanoparticles on Laccase Production and Its Activity. In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 59-66.
- Singh, A.K., Singh, V., Chaturvedi, V.K., **Singh, M.P.** and Verma, V. (2017). In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 67-78.
- Verma, V., Tabassum, N., Yadav, C.B., Kumar, M., Kumar, A., Singh, L. **Singh, M.P.** and Singh, A.K. (2017). Mesenchymal Stem Cell Derived Exosomes: A Potential Novel Tool for Cancer Therapy. In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 79-96.
- Tabassum, N., Verma, V., Yadav, C.B., Kumar, M., Kumar, A., Mukherjee, A. **Singh, M.P.** and Singh, A.K. (2017). Regulatory Networks in Mesenchymal Stem Cells. In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 97-118.
- Yadav, C.B., Verma, V., Tabassum, N., Kumar, M., Kumar, A., Bajpayee, A.K., Dwivedi, S., **Singh, M.P.** and Singh, A.K. (2017). Progress, Problems and Prospects of Livestock Pluripotent Stem Cells. In: *Incredible World*

of *Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 119-146.

- Vaseem, H., Singh, V.K. and **Singh, M.P.** (2017). Nanotoxicity: Environmental Fate and Ecotoxicity of Nanoparticles. In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 147-162.
- Bhardwaj, A. K., Shukla, A. Maurya, S., **Singh, M.P.**, Uttam, K.N. and Gopal R. (2017). The Impact of Metal Nanoparticles on Our Environment. The Scenario of Macro-Fungi in Biological Remediation of Some Hazardous Materials. In: *Incredible World of Biotechnology*, M.P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 163-176.
- Singh, V.K., Vaseem, H. and **Singh, M.P.** (2017). The Scenario of Macro-Fungi in Biological Remediation of Some Hazardous Materials. In: *Incredible World of Biotechnology*, M. P. Singh, V. Verma and Ashish Kumar Singh (eds.), Nova Science Publishers, New York (USA), pp 177-190.
- **Gaur, P.** and Chaturvedi, A. (2017) "A Survey of Bioinformatics Based Tools in RNA-Sequencing (RNA-Seq) Data Analysis" (Published Book chapter in- "Translational Bioinformatics and Its Applications", by Springer 2017)
- **Singh, M.P.**, Verma, V. and Singh, A.K. (2017) *Incredible World of Biotechnology*" (ISBN 978-1-53611-097-5), pp 1-226, Nova Science Publishers, New York (USA)

CENTRE FOR GLOBALIZATION & DEVELOPMENTAL STUDIES

- Srivastava, S. S. (2016). Book Review of *Those who did not die: Impact of the Agrarian Crisis on Women in Punjab* by Ranjana Padhi. The Book Review, Volume XL, Number 7, July, pp. 34.
- Srivastava, S. S. (2016). Book Review of *Sociology at the University of Lucknow: The First Half Century (1921–1975)* by T.N. Madan. Society and Culture in South Asia, July, (2): 314-316.
- Srivastava, S.S. (2016). Book Review of *Women Survivors of Violence: Genesis and Growth of a State Support System* by Anjali Dave. Sociological Bulletin, Vol. 65, No. 2, May - August, pp. 295-298.
- Shukla, Subhash. (2016). Issue of Jammu & Kashmir: A realistic Analysis. Political Discourse, Vol. 2, No. 2.
- Srivastava, Sumit Saurabh. (2016). Ambedkar's Feminist Legacy: Some Explorations, Women's Link, Vol. 22, No. 3, July – September, pp. 16-21.
- **Dr. Pradeep K. Sharma** & Dr. Arunoday Bajpai et. al. 2016. *Rising India: Domestic & External Challenges*. SBPD Publications: Agra. (ISBN 978-93-5167-551-8).

K. BANERJEE CENTRE OF ATMOSPHERIC AND OCEAN STUDIES

- Dirmeyer, P. A. and Halder, S. (2017). Application of the land-atmosphere coupling paradigm to the operational Climate Forecast System (CFSv2), *J. Hydrometeorol*, 18(1), 85-108.
- Halder, S., and Dirmeyer, P. A. (2017). Relation of Eurasian snow cover and Indian summer monsoon rainfall: Importance of the delayed hydrological effect, *J. Climate*, 30(4), 1273-1289.
- Huang, B., Shin C., Shukla J., Marx L., Balmaseda M., Halder S., Dirmeyer P.A. and Kinter III, J.L. (2017). Reforecasting the ENSO Events in the Past Fifty-Seven Years (1958-2014), *J. Climate* (accepted), doi: 10.1175/JCLI-D-16-0642.1.
- Singh, S.K., Srivastava, P.K., Szabó, S., Petropoulos, G.P., Gupta, M., Islam, T. Landscape transform and spatial metrics for mapping spatiotemporal land cover dynamics using Earth Observation data-sets (2017) *Geocarto International*, 32 (2), pp. 113-127. DOI: 10.1080/10106049.2015.1130084.
- Rawat, K.S., Mishra, A.K., Singh, S.K. Mapping of groundwater quality using Normalized Difference Dispersal Index of Dwarka sub-city at Delhi National Capital of India (2017) *ISH Journal of Hydraulic Engineering*, pp. 1-12. DOI: 10.1080/09715010.2016.1277795.
- Yadav, S.K., Dubey, A., Szilard, S., Singh, S.K. Prioritisation of sub-watersheds based on earth observation data of agricultural dominated northern river basin of India (2016). *Geocarto International*, pp. 1-18. DOI: 10.1080/10106049.2016.1265592.
- Shahi, N.K., Rai, S., Mishra, N. Southern Indian Ocean SST as a modulator for the progression of Indian summer monsoon (2016) *Theoretical and Applied Climatology*, pp. 1-13. DOI: 10.1007/s00704-016-2004-6
- Rai, S., Kucharski, F., Molteni, F. An analysis of the impact of SST drift in the ECMWF system 3 on simulation of the Indian summer climatology (2016) *Meteorology and Atmospheric Physics*, 128 (5), pp. 629-638. DOI: 10.1007/s00703-015-0429-6

- Srivastava, A., Dwivedi, S., Mishra, A. K. Intercomparison of High-Resolution Bay of Bengal Circulation Models Forced with Different Winds (2016) *Marine Geodesy*, 39 (3-4), pp. 271-289. DOI: 10.1080/01490419.2016.1173606.
- Shahi, N.K., Rai, S., Pandey, D.K. Prediction of daily modes of South Asian monsoon variability and its association with Indian and Pacific Ocean SST in the NCEP CFS V2 (2016) *Meteorology and Atmospheric Physics*, 128 (1), pp. 131-142. DOI: 10.1007/s00703-015-0404-2.
- Pandey, D.K., Rai, S., Sahai, A.K., Abhilash, S., Shahi, N.K. Prediction and error growth in the daily forecast of precipitation from the NCEP CFSv2 over the subdivisions of Indian subcontinent (2016) *Journal of Earth System Science*, 125 (1), pp. 29-45.
- Kundu, A., Dwivedi, S., Dutta, D. Monitoring the vegetation health over India during contrasting monsoon years using satellite remote sensing indices (2016) *Arabian Journal of Geosciences*, 9 (2), art. no. 144, pp. 1-15. DOI: 10.1007/s12517-015-2185-9
- Gajbhiye, S., Meshram, C., Singh, S.K., Srivastava, P.K., Islam, T. Precipitation trend analysis of Sindh River basin, India, from 102-year record (1901-2002) (2016) *Atmospheric Science Letters*, 17 (1), pp. 71-77. DOI: 10.1002/asl.602.

CENTRE OF MATERIAL SCIENCE

- Verma, R., Dabrowski, R., Zurowska, M., and **Dhar R** (2016). Enhancement of the properties and mesophases stability after the electron beam irradiation on a racemic anti-ferroelectric liquid crystalline mixture. *Liq. Cryst.* **43 (5)**, 606-614.
- Mishra, M., Kumar, S., **Dhar, R.** (2016). Gold nanoparticles in plastic columnar discotic liquid crystalline material. *Thermochimica Acta*, **631**, 59-70.
- Bajpai, M., Yadav, N., Kumar, S., Srivastava, R., **Dhar, R.** (2016). Incorporation of liquid crystalline triphenylene derivative in bulk heterojunction solar cell with molybdenum oxide as buffer layer for improved efficiency. *Liq. Cryst.* **43 (7)**, 928-936.
- Singh, U.B., Pandey, M.B., **Dhar, R.**, Verma, R., Kumar, S. (2016). Effect of dispersion of CdSe quantum dots on phase transition, electrical and electro-optical properties of 4PP4OB. *Liq. Cryst.* **43 (8)**, 1075-1082.
- Verma, R., Mishra, M., **Dhar, R.**, Dabrowski, R. (2016). Single walled carbon nanotubes persuaded optimization of the display parameters of a room temperature liquid crystal 4-pentyl-4'cyanobiphenyl. *Journal of Molecular Liquids*, **221**, 190-196.
- Bajpai, M., Srivastava, R., **Dhar, R.**, Tiwari, R.S. (2016). Role of reduced pi-pi stacking in the charge transport in polyfluorene. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **212**, 62-70.
- Dubey, R., Mishra, A., Singh, K.N., Alapati, P.R., **Dhar, R.** (2017). Electric behaviour of a Schiff's base liquid crystal compound doped with a low concentration of BaTiO₃ nanoparticles. *Journal of Molecular Liquids*, **225**, 496-501.
- Mishra, M., Kumar, S., **Dhar, R.** (2017). Effect of high concentration of colloidal gold nanoparticles on the thermodynamic, optical, and electrical properties of 2, 3, 6, 7, 10, 11-hexabutyloxytriphenylene discotic liquid crystalline material. *Soft Materials*, **15(1)**, 34-44.
- Bajpai, M., Yadav, N., Kumar, S., Srivastava, R., **Dhar, R.** (2017). Bulk heterojunction solar cells made from carbazole copolymer and fullerene derivative with an inserted layer of discotic material with improved efficiency. *Liquid Crystals*, **44(2)**, 379-386.
- Verma, R., Mishra, M., **Dhar, R.**, Dabrowski, R. (2017). Enhancement of electrical conductivity, director relaxation frequency and slope of electro-optical characteristics in the composites of single-walled carbon nanotubes and a strongly polar nematic liquid crystal. *Liquid Crystals*, **44(3)**, 544-556.
- **Singh B.**, (2016) Ru⁴⁺ induced colossal magnetoimpedance in Ru doped perovskite manganite at room temperature, *Physical Chemistry Chemical Physics*, **18**, 12947.
- Hsieh, S. H., **Solanki, R. S.**, Wang, Y. F., Shao, Y. C., Lee, S. H., Yao, C. H., Du, C. H., Wang, H. T., Chiou, J. W., Chin, Y. Y., Tsai, H. M., Chen, J.-L., Pao, C. W., Cheng, C.-M., Chen, W.-C., Lin, H. J., Lee, J. F., Chou, F. C., Pong, W. F. (2017) "Anisotropy in the thermal hysteresis of resistivity and charge density wave nature of single crystal SrFeO_{3-δ}: X-ray absorption and photoemission studies" *Scientific Reports* **7**, 161.
- **Solanki, R. S.**, Hsieh, S.-H., Du, C. H., Deng, G., Wang, C. W., Gardner, J. S., Tonomoto, H., Kimura, T., and Pong, W. F. (2017), 'Correlations and dynamics of spins in an XY-like spin-glass (Ni_{0.4}Mn_{0.6})TiO₃ single-crystal system' *Phys. Rev. B* **95**, 024425.

- Bajpai, M., Srivastava, R., **Dhar, R.**, Tiwari, R.S. (2016). Effect of doping on the electron transport in polyfluorene. *AIP Conference Proceedings*, **1728**,020669.
- Bajpai, M., Srivastava, R., **Dhar, R.**, (2017) Effect of plasmonic enhancement of light absorption on the efficiency of polymer solar cell, *Springer Proceedings in Physics*, **178**, 315-317.
- Verma, R., Mishra, M., **Dhar, R.**, Dabrowski, R. (2017). Single walled carbon nanotubes persuaded optimization of the thermodynamic, electrical and electro-optical characteristics of a room temperature liquid crystal display material “4-pentyl-4’ cyanobiphenyl”. *Springer Proceedings in Physics*, **178**, 185-189.

NANO TECHNOLOGY APPLICATION CENTRE

- Manoj Kumar Yadav, Santosh Kumar Gupta, Sanjeev Rai, **Avinash C. Pandey** (2017), Al embedded MgO barrier MTJ: A first principle study for application in fast and compact STT-MRAMs; **Superlattices and Microstructures**, 103, 314–324, 2017.
- Manvendra Kumar, Ratnesh K. Pandey, Parasmani Rajput, S.A. Khan, Fouran Singh, D.K. Avasthi, **Avinash C. Pandey** (2017), Swift heavy ions induced nano-grain fragmentation in fluoride thin films; **Journal of Alloys and Compounds**, 695, 83–90, 2017.
- P. Mishra and **A. C. Pandey** (2017), Simulation Results for Southern Indian Ocean (SIO) Using Ocean Model, **J. Ind. Geophys. Union**, 21, 58-66, 2017
- Pawan Kumar Dubey, Rajesh Kumar, **Avinash Chandra Pandey**, Radhey Shyam Tiwari, Onkar Nath Srivastava (2017), Synthesis of self-aligned and vertically oriented carbon incorporated titania nanotube for improved photoelectrochemical hydrogen generation; **International Journal of Hydrogen Energy**, 42 (8), pp. 4782-4792, 2017.
- Durgesh K. Tripathi, Rohit K. Mishra, Swati Singh, Samiksha Singh, Kanchan Vishwakarma, Shivesh Sharma, Vijay P. Singh, Prashant K. Singh, Sheo M. Prasad, Nawal K. Dubey, **Avinash C. Pandey**, Shivendra Sahi and Devendra K. Chauhan (2017); “Nitric Oxide Ameliorates Zinc Oxide Nanoparticles Phytotoxicity in Wheat Seedlings: Implication of the Ascorbate–Glutathione Cycle”; **Frontiers in Plant Science**; 8, Art.1, 2017.
- Durgesh Kumar Tripathi, Swati Singh, Shweta Singh, Prabhat Kumar Srivastava, Vijay Pratap Singh, Samiksha Singh, Sheo Mohan Prasad, Prashant Kumar Singh, Nawal Kishore Dubey, **Avinash Chand Pandey**, Devendra Kumar Chauhan (2017), “Nitric oxide alleviates silver nanoparticles (AgNps)-induced phytotoxicity in *Pisum sativum* seedlings” **Plant Physiol Bioch**, 110, 167-177, 2017.
- Vani Mishra, Vikas Baranwal, Rohit K. Mishra, Shivesh Sharma, Bholanath Paul, **Avinash C. Pandey** (2016), Titanium dioxide nanoparticles augment allergic airway inflammation and Socs3 expression via NF- κ B pathway in murine model of asthma; **Biomaterials**, 92, 90-102, 2016.
- Manvendra Kumar, Parasmani Rajput, Prashant Kumar Singh, Avinash C Yadav, Saif Ahmad Khan, Shambhu Nath Jha, Fouran Singh, **Avinash C Pandey** (2016), Europium activated Gadolinium Sulfide nanoparticles. **RSC Advances**; 6 (110) 108523, 2016. DOI:10.1039/C6RA17413B
- Rohit Kumar Mishra; Vani Mishra; Shivesh Sharma; **Avinash C Pandey**, Anupam Dikshit (2016), Anti-Dermatophytic Potential of *Ajuga bracteosa* Wall Ex Benth Leaf Extract Mediated AgNPs with Particular Emphasis to Plasma Membrane Lesion; **Materials Focus**, 5, 249-257, 2016.
- Rohit K. Mishra, Vani Mishra, Anand Pandey, Amit K. Tiwari, Himanshu Pandey, Shivesh Sharma, **Avinash C. Pandey** and Anupam Dikshit (2016), Exploration of Anti-Malassezia potential of *Nyctanthes arbor-tristis* L. and their application to combat the infection caused by Mala s1 a novel allergen; **BMC Complementary and Alternative Medicine**, 16, 114, 2016.
- C Dwivedi, H Pandey, **A C Pandey**, PW Ramteke (2016), Nanofibre Based Smart Pharmaceutical Scaffolds For Wound Repair And Regenerations”. **Current pharmaceutical design**, 22 (11), 1460-1471, 2016.
- Rohit K. Mishra, M. Ramakrishna, Vani Mishra, Ashutosh Pathak, S. Rajesh, Shivesh Sharma, **Avinash C. Pandey**, G. Nageswara Rao, Anupam Dikshit (2016), Pharmaco-Phylogenetic Investigation of Methyl Gallate Isolated from *Acacia nilotica* (L.) Delile and Its Cytotoxic Effect on NIH3T3 Mouse Fibroblast, **Current Pharmaceutical Biotechnology**, 17, 540-548, 2016.
- Ratnesh K. Pandey, Kevin Waters, Sandeep Nigam, Ravindra Pandey and **Avinash C. Pandey**; Vibrational spectra of (BaF₂)_n (n=1-6) clusters, **AIP Conf. Proc.** 1731, 090034 (2016); <http://dx.doi.org/10.1063/1.4947998>.

CENTRE OF RURAL TECHNOLOGY AND DEVELOPMENT

- Shukla S K, Kumar R, Pathak A, Pandey M, Qidwai A, Pandey M and **Dikshit A** (2017). Impact of eco-friendly soil microbe on *macrotyloma uniflorum* (lam.) Verdc: a medicinal pulse. IJLPR, VOL 7/ ISSUE 2. ISSN 2250-0480. **I.F. 0.672.**
- Mishra, R.K., Ramakrishna, M., Mishra, V., Pathak, A., Sharma, S., Pandey, A.C. Rajesh, S., Rao, G. N., **Dikshit, A.** (2016). Pharmaco-Phylogenetic investigation of methyl gallate isolated from *Acacia nilotica* (L.) and their cytotoxic effect on NIH3T3 mouse fibroblast. *Current Pharmaceutical Biotechnology* 17(5): 1-9 **Impact Factor: 2.5 ISSN: 1873-4316.** <http://www.ncbi.nlm.nih.gov/pubmed/26813302>.
- Mishra, R.K., Mishra, V., Pandey, A., Tiwari, A.K., Sharma, S., Pandey, A.C. and **Dikshit, A.** (2016). Anti-*Malassezia* potential of *Nyctanthes arbor-tristis* L. and their target validation of its active constituents over *Mala s 1*. *BMC Complementary and Alternative Medicine* 16:114. **DOI: 10.1186/s12906-016-1092-2 Impact Factor: 2.2 ISSN: 1472-6882.** <http://bmccomplementalalternmed.biomedcentral.com/articles/10.1186/s12906-016-1092-2>
- Pandey, M., Pandey. A., Kumar, R., Pathak, A and Dikshit A (2016). A Comparative antimicrobial analysis of *Tridax procumbens* L. various extracts on waterborne bacterial pathogens International Current Pharmaceutical Journal. 5(3): 22-26. <http://www.banglajol.info/index.php/ICPJ/article/viewFile/26694/17884>
- Pandey, M., Pandey. A., Shukla S.K., Kumar, R., Pathak, A., Mishra R.K. and Dikshit A (2016). A comparative analysis of in vitro growth inhibition of waterborne bacteria with bioactive plant *Lippia nodiflora* L. and camphor. *Desalination and Water Treatment*. doi: 10.1080/19443994.2016.1160436.
- Kumar, R., Pandey. Shukla S.K., Pandey, M., Pathak, A., Pathak A. and Dikshit A (2016). Synthesis and antimicrobial effects of colloidal gold nanoparticles against prevalent waterborne bacterial pathogens *Cogent Chemistry*. (2016), 2: 1192522.
- Qidwai A., Pandey M., Shukla S.K., Kumar, R., Pandey A. and Dikshit A. (2017). Risk factor assessment for acne vulgaris in human and implications for public health interventions in north central india: a survey-based study. *Asian J Pharm Clin Res*. 10(5): 1-6.
- Qidwai A., Pandey M., Pathak S., Kumar, R., and Dikshit A. (2017). The emerging principles for acne biogenesis: a dermatological problem of puberty. **In-press.**
- Qidwai A., Pandey M., Kumar, R., and Dikshit A. (2017). Comprehensive evaluation of pharmacological properties of *Olea europia* L. for cosmetics prospects. **Under revision.**

CENTRE OF BEHAVIORAL AND COGNITIVE SCIENCES

- Kumar, D., and Srinivasan, N. (2017). How multi-scale control structures sense of agency: Investigating intentional binding using event-control approach. *Consciousness and Cognition*, 49, 1-14.
- Mukherjee, S., Sahay, A., Pammi, V. S. C., and Srinivasan, N. (2017). Is loss-aversion magnitude-dependent? Measuring prospective affective judgments regarding gains and losses. *Judgment and Decision Making*, 12(1), 81-89.
- Raffone, A., and Srinivasan, N. (2017). Mindfulness and cognitive functions: Toward a unifying neurocognitive framework. *Mindfulness*, 8, 1-9.
- Srinivasan, N., and Singh, A. (2017). Concentrative meditation influences visual awareness: A study with color afterimages. *Mindfulness*, 8, 17-26.
- Becker, J.C., Butz, D.A., Sibley, C.G., Barlow, F.K., Bitacola, L., Christ, O., Khan, S., Leong, C.H., Pehrson, S., Srinivasan, N., Sulz, A., Tausch, N., Urbanska, K., and Wright, S. (2017). What do national flags stand for? An exploration of associations across 11 countries. *Journal of Cross-Cultural Psychology*.
- Tybur, J.M., Srinivasan, N., and Zvezelj, I. (2016). Parasite stress and pathogen avoidance relate to distinct dimensions of political ideology across 30 nations. *Proceedings of the National Academy of Sciences*, 113(44), 12408-12413.
- Khan, S.S., Hopkins, N., Reicher, S., Tewari, S., Srinivasan, N., and Stevenson, C. (2016). Collective participation impacts on social identity: A longitudinal study with control data. *Political Psychology*, 37, 309-325.
- Kumar, G. V., Halder, T., Jaiswal, A. K., Mukherjee, A., Roy, D., and Banerjee, A. (2016). Large-scale functional brain networks underlying temporal integration of audio-visual speech perception: An EEG study. *Frontiers in Psychology*, 7:1558.
- Dagar, S., Chowdhury, S. R., Bapi, R. S., Dutta, A., and Roy, D. (2016). Near-infrared spectroscopy – Electroencephalography-based brain-state-dependent electrotherapy: A computational approach based on excitation–inhibition balance hypothesis. *Frontiers in Neurology*, 7:123.

- Mishra, R. K., and Singh, N. (2016). The influence of second language proficiency on bilingual parallel language activation in Hindi-English bilinguals. *Journal of Cognitive Psychology*, 28, 396-411.
- Singh, J. P., and Mishra, R. K. (2016). Effect of bilingualism on anticipatory oculomotor control. *International Journal of Bilingualism*, 20, 550-562.
- Keserwani, P., Pammi, V. S. C., Prakash, O., Khare, A. and Jeon, M. (2016). Classification of Alzheimer Disease using Gabor Texture Feature of Hippocampus Region. *International Journal of Image, Graphics and Signal Processing*, 8(6), 13-20.
- Roy, D. and Pammi, V. S. C. (2016). Promises and pitfalls of relating alteration of white matter pathways causing improvement in Cognitive performance. *Cognitive Neuroscience*, 8(2), 120-122.
- Birajdar, G. S., Battu, B., Jaiswal, K. and Pammi, V. S. C. (2016). Modeling social dilemmas: A regret-driven neural network model. *Studies in Microeconomics*, 4(2), 115-126.
- Maqbool, Z., Makhijani, N., Pammi, V. S.C. and Dutt, V. (2016). Effects of motivation: rewarding hackers for undetected attacks cause analysts to perform poorly. *Human Factors*, 59(3):420-431.
- Singh, N.C., Cherodath, S., Sumathi, T. A., Koseera, R., Currawala, K., Kar, and B. R., Oberoi, G. Reading skills in children provided simultaneous instruction in two distinct writing systems – insights from behaviour and neuroimaging. In, Peer, L. and Reid, G. (Eds.) (2016). *Multilingualism, Literacy and Dyslexia – Breaking down barriers for educators* London: Routledge
- Mishra, R. K., & Singh, N. (2016). Top down influence on executive control in bilinguals. In John Schweiter (Ed) *Cognitive Control and Consequences of Multilingualism* (pp. 427- 449), John Benjamins.

Full Paper in Conference Proceedings

- Maqbool, Z., Pammi, V. S. C. and Dutt, V. (2016). Cybersecurity: Effect of Information Availability in Dynamic Security Games. *IEEE Proceedings of 2016 International Conference On Cyber Situational Awareness, Data Analytics And Assessment (CyberSA)* pp 1-5.
- Maqbool, Z., Pammi, V. S. C. and Dutt, V. (2016). Influence of motivational factors on hackers' and analysts' decisions in dynamic security games. *Advances in Human Factors in Cybersecurity*, Springer, pp.239-251.
- Pasala, S. K., Khamassi, M. and Pammi, V. S. C. (2016). Variation in Intuitive Geometric Construct of Spatial Perception During Navigation. *Proceedings of CONNECTIONS – BRIDGESYNAPSES*, September 22-24, 2016, Salk Institute, La Jolla, California, USA, pp. 128-129.
- Srinivasan, N. (2016). Effects of meditation on cognition and awareness. *Proceedings of International Conference on Mind over Mind: Adding Mindfulness in Our Lives* (pp. 25-35), South Korea.
- Mehrotra, S., Shukla, A., & Roy, D. (2016). Neurophysiological investigation of context modulation based on musical stimulus. *International Conference On Music Perception And Cognition* (pp. 243-246). San Francisco, CA.
- Surampudi, S. G., Naik, S., Shrama, A., Bapi, R. S., & Roy, D. (2016). Combining Multiscale Diffusion Kernels for Learning the Structural and Functional Brain Connectivity. *bioRxiv*, 078766 NIPS 2016.
- Naik, S., Oota, S., Banerjee, A., Roy, D., & Raju, Bapi S. (2017). *Metastability of Cortical BOLD Signals in maturation and senescence. IEEE conference proceedings (IJCNN 2017)*.

CENTRE OF FOOD TECHNOLOGY

- Yadav, N., Dhaval, A. and Purwar, S. (2016). Potential applications of food derived bioactive peptides in management of health. *International Journal of Peptide Research and Therapeutics*. Springer Science, New York. 22:377-398
- Sinha J, Singh V, Singh J, & Rai, A.K. (2017) Phytochemistry, Ethnomedical Uses and Future Prospects of Mahua (*Madhuca longifolia*) as a Food: A Review. *Journal Nutrition Food Science* 7: 573. doi: 10.4172/2155-9600.1000573
- Sharma, S., Yadav, N., Singh A., Kaur, D. and Kumar R. (2016). Impact of Thermal and bioprocessing on antioxidant and functional properties of nine newly developed Desi and Kabuli chick pea (*Cicer Arietinum*) cultivars. *An International Journal of Plant Research VEGETOS*, 29 (special): 78-86.
- Gupta, A. and Yadav, N. (2016). Evaluation of nutritional and anti-nutritional activity of indigenous and underutilized green leafy vegetables of north India. *International Journal of Food and Nutritional Science*, 5(3): 88-95

- **Saini, P., Singh, P. and Dubey, S. (2016).** Effects of processing time and temperature on the quality components of cape gooseberry and sweet lemon juice. *International Journal of Pharmacy and Pharmaceutical Research*, 6(3):192-205.
- **Singh, P., Saini, P., Sachan, S. and Dubey, S. (2016).** Characterization, Antimicrobial Activity and Antibiotic Susceptibility of Lactic Acid Bacteria Isolated from Food Samples. *International Journal of Current Microbiology and Applied Sciences*, 5(7): 901-911.
- **Saini, P., Singh, P., Dubey, S. and Srivastava, A. (2016).** Effect of different processing methods on polyphenolic content and antioxidant activity of broad beans (*Vicia faba*). *International Journal of Current Research and Review*, 8 (13):6-11.
- **Saini, P., Singh, P., Dubey, S. and Chitralekha. (2016).** Prevalence and antibiotic susceptibility of *Enterobacteriaceae* from fish samples in Allahabad, India. *British Microbiology Research Journal* 17(3): 1-8.
- **Singh, P., Saini, P., Vinita, P., Gupta, S. and Dubey, S. (2016).** Optimization and characterization of exopolysaccharides produced by lactobacillus strains isolated from cabbage and cucumber. *Journal of Microbiology and Biotechnology Research*, 6(6):27-35
- **Mishra, N., Vinita, P., Prajapati, A., Kaur, D. and Tripathi, R. (2016).** Development and Optimization of Value Added Biscuits Using Response Surface Methodology. *International Research Journal of Natural and Applied Sciences*. 3(10).
- **Saini, P., Singh, P., and Dubey, S. (2016).** Optimization and Characterization of *Asparagus racemosus willd.* (Shatavari) Root Powder. *International Journal of Natural Products Research*, 6(2): 36-44.
- **Singh, Z., Chaturvedi, R. and Gupta, E. (2016).** Nutrient adequacy of school going children can be determined by dietary diversity scores within different food groups. *International Journal of Interdisciplinary and Multidisciplinary Studies*, 3(4): 74-79.
- **Gupta, E., Purwar, S., Sundaram, S., Tripathi, P. and Rai, G.K. (2016).** Stevioside and Rebaudioside A- The predominant *ent*- kaurenediterpene glycosides of Therapeutic Potential: An Overview. *Czech Journal of Food Science*, 34(4): 281-299.
- **Saini, P., Dubey, S., Singh, P., Singh, P. and Singh, K. (2016).** Effect of processing methods on nutritional composition and Antioxidant activity of green leafy vegetables. *International Journal of Agricultural and Food Science*, 6(2): 82-87.
- **Saini, P., Dubey, N., Singh, P. and Singh, A. (2016).** Effect of processing methods on proximate composition and antioxidant activity of fenugreek (*Trigonellafoenum- graecum*) seeds. *International Journal of Agricultural and Food Science*, 6(2): 82-87.
- **Mishra, N., Kumar, D. and Rizvi, S. I. (2016).** Protective effect of *Abelmoschus esculentus* against alloxan-induced diabetes in wistar strain rats. *Journal of Dietary Supplements*, 1-13.
- **Singh, P., Saini, P. and Mishra, P. (2017).** Study on shelf life of kalakand made from soy coconut milk. *International journal of academic research and development*, 71-73.
- **Vinita, P., Mishra, N. and Kumari. (2017).** Development and optimization of value added bread. *International Journal of Current Research*, 9(1): 45314-45319.
- **Mishra, P. and Prasad, S.M. (2016).** Mounting Insights over Human Wellness by Utilizing Plant's Primed Defense against Precise/Mild Oxidative Stress. *Journal of Plant Physiology & Pathology* 4, 1-9.
- **Faisal, S., Chakraborty, S., Devi, W.E., Hazarika, M.K. and Puranik, V. (2017).** Evaluation of probiotic whey beverages formulated from orange powder and flavor using fuzzy logic. *International Food Research Journal*.
- **Saini, P., Kaur, D., Yadav, N., Kumar, R. and Sangmitra. (2017).** Effect of incorporation of chick pea husk on quality characteristics of biscuits. *International Journal of Food and Nutritional Sciences*, 6(1).
- **Singh, V., Mishra, S., Singh, J. and Rai, A.K. (2017)** Phenolic content and antioxidant activity of solvent extracts of mahua (*Madhuca longifolia*) flowers and fruit, *Nutrafoods*, vol 16, no.1, DOI 10.17470/NF-017-1017-1
- **Singh, J., Kumar, R., Awasthi, S., Singh, V. and Rai, A.K. (2016)** Laser Induced breakdown spectroscopy: A rapid tool for the identification and quantification of minerals in cucurbit seeds, *Food Chemistry*, Volume 221, 15 April 2017, Pages 1778–1783.
- **Singh, J., Singh, V., Shukla, S. and Rai, A. K. (2016).** Phenolic Content and Antioxidant Capacity of Selected Cucurbit Fruits Extracted with Different Solvents, *Journal of Nutrition and Food Science* 6:565. doi: 10.4172/2155-9600.1000565
- **Mishra, P. and Sabhiki, L. (2017).** Possible development of fermented pearl millet weaning food and its nutritional assessment. *In: Nutraceuticals & Food Processing Technology.* (edited by R.P. Shukla, R. S. Mishra,

A. D. Tripathi, A.K. Yadav, Manju Tiwari, R. R. Mishra) pp- 28-36 Bharti Publications. ISBN no.- 978-81-933172-0-4

- Shukla, P., Verma, A. and Mishra, P. (2017). Significance of Nitrogen heterocyclic nuclei in the formulation of pharmacological active compounds. *In: New prospective in agriculture and human health*. Pp 100-126 (edited by R.P. Shukla, R. S. Mishra, A. D. Tripathi, A.K. Yadav, Manju Tiwari, R. R. Mishra) pp Bharti Publications. ISBN no.- 978-81-933475-1-5

CENTRE OF COMPUTER EDUCATION

- Khare, M., **Prakash, O.** and Srivastava, R.K. (2017). Combining Zernike moment and Complex wavelet transform for Human object classification. *International Journal of Computer Vision and Robotics*. Accepted.
- Keserwani, P., Chandrasekhar, V.S., **Prakash, O.**, Khare, A. and Jeon, M. (2016). Classification of Alzheimer Disease using Gabor Texture Feature of Hippocampus Region. *International Journal of Image, Graphics and Signal Processing*. 6, 13-20.
- Srivastava, R., **Prakash, O.** and Khare, A. (2016). Local Energy based Multimodal Medical Image Fusion in Curvelet Domain. *IET Computer Vision*. 10(6), 513-527.
- Rai, B., **Singh, M.** and Khare, P. (2016). Deterministic Mathematical Models in Population Ecology. *Coherence*. 5-12.
- **Prakash, O.**, Khare, M., Binh, N.T. and Khare, A. (2016). Human Object Detection in Images Using Shift-Invariant Stationary Wavelet Transform. In: Afzalpulkar N., Srivastava V., Singh G., Bhatnagar D. (eds) *Proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing*. Springer, New Delhi.

CENTRE OF MEDIA STUDIES

- चोपड़ा, धनंजय (2016) मानवाधिकार, मीडिया और जनसरोकार; साहित्य भण्डार, इलाहाबाद; ISBN : 978-81-7779-532-5.
- चोपड़ा, धनंजय (दिसम्बर 2016), बच्चों के लिए हिन्दी भाषा में विज्ञान लेखन : इक्कीसवीं सदी के विशेष संदर्भ में ; अधिगम (प्रकाशक : राज्य शिक्षा संस्थान, उत्तर प्रदेश); 05 ; 5-8 (ISSN : 2394-733X).
- चोपड़ा, धनंजय (15 जनवरी, 2017), टेलीविजन एंकरों का खबराटक; आंचलिक पत्रकार (प्रकाशक : माधवराव सप्रे समाचार पत्र संग्रहालय, भोपाल) ; 417 ; 41-43 (ISSN : 2319-3107).
- चोपड़ा, धनंजय, (मार्च 2017), भारतीय पत्रकारिता की स्मृति में है राष्ट्रवाद ; मीडिया विमर्श, भोपाल ; 42 ; 20-21 (ISSN : 2249-0590).
- चोपड़ा धनंजय (2016), कैसे-कैसे लोग ऐसे-वैसे हो गये ; श्रीनरेश मेहता रचनावली (खण्ड- 11) ; (सम्पादक : प्रभाकर श्रोत्रिय) ; प्रकाशक : लोकभारती प्रकाशन, इलाहाबाद ; ISBN : 978-81-8031-653-1.
- माथुर, रितु (2016), विघटित होते मूल्यों के संदर्भ में कबीर का काव्य; समसामयिक परिवेश में कबीर के विचारों की प्रासंगिकता (शोध पत्र संग्रह संपादक : डा0 प्रमिला टण्डन); पृष्ठ 18-23 ; ISBN : 978-93-5265-302-7

CENTRE OF FASHION DESIGN & TECHNOLOGY

- Purwar S. (2016), **Application of Natural Dyes on Synthetic Fabrics: A Review**, *International Journal of Home Science*, ISSN: 2395-7476, Vol-2, Issue-2, page no. 283 – 287
- Purwar S. Purwar & Narayan J. (2016), *Skill Development and Women Entrepreneurship in the context of Employment Scenario of Allahabad City*, *UPUEA Economic Journal*, Vol.- 12, ISSN: – 0975-2382, Page no. 7 – 11
- Singh, S. and Singh R., (2017). Computer Aided Motif Designing: Development of Tool and Comparative Study. *International Journal of Computer Science Trends and Technology*, ISSN: 2347-8578, Vol. 5, 94-98.
- Singh, S. and Singh R., (2017). Motif Placement on Garment Pattern: Comparison and Development of a CAD Tool. *International Journal Of Engineering And Computer Science*, ISSN:2319-7242, Vol. 6, 20658-2066.
- Singh, S. and Singh R., (2017). Development of a CAD Tool for Pattern Making of Garments. *International Journal of Innovative Computer Science & Engineering*, ISSN: 2393-8528, Vol. 4, 11-15.
- Purwar S. & Narayan Jagdish (2016), *Women Entrepreneurship – An Instrument for Economic Development and Poverty Reduction; A case Study of Centre of Fashion Design & Technology of Institute of Professional studies, University of Allahabad*, Book – Women Entrepreneurship (Edited by Tomar S.K. & Pandey P.K.), ISBN: 978-93-82420-92-7, Page no. 1-6, Kunal Books, New Delhi

NATIONAL CENTRE OF EXPERIMENTAL MINERALOGY AND PETROLOGY

- Saha, L., Frei, D., Gerdes, A., **Pati, J.K.**, Sarkar, S., Patole, V., Bhandari, A. and Nasipuri, P. (2016) Crustal geodynamics from Archaean Bundelkhand craton, India: constraints from U-Pb-Hf isotopic studies, *Geological Magazine*, v.153 (1), 179-192. doi:10.1017/S0016756815000692.
- **Pati, J.K.**, Pruseth, K.L., Chatterjee, R.S., Patel, S.C., Prakash, K., Chakarvoty, M., Singh, R.P., Bhushan, R., Malviya, V.P., Sharma, R. and Champati Ray, P.K. (2016) Hematite-rich concretions from Mesoproterozoic Vindhyan sandstone in northern India: a terrestrial Martian “blueberries” analogue with a difference, *Current Science*, v. 111, No. 3, 535-542. doi:10.18520/cs/v111/i3/.
- Prakash, K., Mohanty, T., **Pati, J.K.**, Singh, S. and Chaubey, K. (2016) Morphotectonics of the Jamini River basin, Bundelkhand craton, central India; using remote sensing data and GIS technique. **Appl. Water Sci. (Springer)**, doi: 10.1007/s13201-016-0524-y.
- Rai, A.K., Maurya, G.S., Kumar, R., Pathak, A.K., **Pati, J.K.** and Rai, A.K. (2017) Analysis and discrimination of sedimentary, metamorphic and igneous rocks using Laser Induced Breakdown Spectroscopy, *Journal of Applied Spectroscopy (Springer)*, v. 83, No. 6 (November-December), 1010-1-1010-7. doi:10.1007/s10812-017-0412-8.
- **Pati, J.K.**, Qu, W.J., Koeberl, C., Reimold, W.U., Chakarvoty, M. and Schmitt, R.T. (2017) Geochemical evidence of an extraterrestrial component in impact melt breccia from the Paleoproterozoic Dhala impact structure, India, **Meteoritics & Planetary Science (Wiley)**, **52**, 722-736. doi: 10.1111/maps.12826.
- Pandey K., Asthana N., Sanjay S. S. and Dwivedi M. M. (2016) Study of Aloe Vera as a Natural Plasticizer in PEO based Polymeric Electrolyte, *European Journal of Advances in Engineering and Technology*, 3(1), 21-25.
- Pandey K., Dwivedi M. M., Sanjay S. S., Asthana N. (2017) Development of mica-based porous polymeric membrane and their application, *Ionics*, 23, 113, doi:10.1007/s11581-016-1808-9.
- Asthana N., Dwivedi M. M. and Pandey K. (2017) Development of PVB-Nano cellulose based polymer electrolyte and correlation of optical behavior with Ionic Conductivity, *Advances in Chemical Sciences*, 6, 1-12.
- Sanjay S. S., Dwivedi M. M., Asthana N., Pandey K. (2017) Study of protonic conduction in *Aloevera* pulp based green electrolyte system, *Elixir International Journal*. (Accepted).
- Rout, D., Panigrahi, M.K. and **Pati, J.K.** (2016) Origin and evolution of giant quartz reefs in the Bundelkhand craton, India: constraints from fluid inclusion study. *Asian Current Research on Fluid Inclusions (ACROFI-VI), IIT, Bombay (November 25-27, 2016)*, Extended Abstract Volume, **pp.72-75**.
- Asthana N., Pandey A., Dwivedi M. M., Pandey K. (2016) Ionic Conduction in Natural CaCO₃ Supported Polymer Electrolyte. International conference on Emerging trends in science, Technology, Agriculture and Management-2016, 21-23 April 2017, Gangtok Assam.
- Asthana N., Pandey K. and Dwivedi M. M. (2016) Dielectric Relaxation Studies with Raman Micro Spectroscopy of Hot Pressed PEO-CNF Polymeric Membrane, 25th DAE –BRNS National Laser Symposium (NLS-25) KIIT University Bhubneshwar, 20-23 December 2016.
- Pandey K. Dwivedi M. M., and Asthana N. (2016) Development of Natural Fiber Dispersed Polymeric electrolyte and their Laser Raman and Ionic Mobility Study, 25th DAE –BRNS National Laser Symposium (NLS-25) KIIT University Bhubneshwar 20-23 December 2016
- Dwivedi M. M., Asthana N., and Pandey K. (2016) Laser Raman and Ionic Studies in Multiferroic Filler Based Polymer Electrolyte, 25th DAE –BRNS national Laser Symposium (NLS-25) KIIT University Bhubneshwar 20-23 December 2016.

GOVIND BALLABH PANT SOCIAL SCIENCE INSTITUTE

- Bhargava, Pradeep (2016), *Manrega. Janmat*, April, pp 20-26.
- Bhargava, Pradeep (2016), “यह जमीन की बात है”, तद्भव, June.
- Bhargava, Pradeep (2016), “नीति आयोग: एक बेताल कथा”, प्रतिमान
- May to August 2016 I read a number of books on War relating to my study on Matrydom
- From September 2016 till April 2017 I am working on my book “Globalisation, Neoliberalism and Gender/Women in India”. I hope to finish it by December 2017.
- *Culture and Emotional Economy of Migration*, New Delhi: Routledge Books, 2016.
- *Fractured Tales: Invisibles in Indian Democracy*, New Delhi: Oxford University Press, 2016.
- *Uttar Pradesh ki Bhashayein* (ed.), New Delhi: People’s Linguistic Survey of India and New Delhi: Orient Blackswan, 2016.

- Hasratron ki Rajneeti par Haavi Jaati aur Dharma : Uttar Pradesh ka Chunav Purva Paridrishya, *Pratiman: Samay, Samaj, Sanskriti*, Year 4, Vol. 4, Issue 7, January-June 2016, pp. 1-10.
- Money, Migration and Vernacular Criticism, *IIC Quarterly*, Vol 43, No. 1, Summer 2016, pp. 141-156.
- Young, S., Kumar, Satendra et al. 2017. "Beyond improvisation? The rise and rise of youth entrepreneurs in north India". *Transactions of the Institute of British Geographers*, Vol. 42, Issue 2, pp. 98-109.
- Kumar, Satendra. 2016. "The Time of Youth: Joblessness, Politics and Neo- religiosity in Uttar Pradesh." *Economic and Political Weekly*, Vol. 51, No. 53, pp. 102-09.
- Kumar, Satendra. 2016. "Agrarian Transformation and the New Rurality in Western Uttar Pradesh." *Economic and Political Weekly*, Vol. 51, No. 25-26, pp. 61-71.
- कुमार, सतेन्द्र, 2016, "उत्तर प्रदेश में पिछड़ी जातियों की राजनीति: लोकतंत्र की उत्तर कथा", प्रतिमान, जनवरी-जून, वर्ष 4, अंक 7.
- कुमार, सतेन्द्र, 2016, "भारत में शिक्षा का निजीकरण: संविधान के सपने का दाहसंस्कार", प्रतिमान, जनवरी-जून, वर्ष 4, अंक 7.
- Kumar, S. 2016. "Emergence of New Sociality and Communal Violence in Rural Western Uttar Pradesh." *Seminar*, June 682, pp. 9-13.
- Young, S., Kumar, Satendra. (2016). "College Entrepreneurs in India: The Fortune at the Bottom of a Pyramid Scheme", in *Geographies of Global Issues: Change and Threat, Geographies of Children and Young People*, ed. N. Ansell et al. Singapore: Springer Science.
- Singh, A (2016), Understanding the Potentialities: Ethnographic Study of Rural Dalit Women Leaders, December 31, vol LI no 53, Economic & Political Weekly.

RESEARCH PUBLICATIONS OF THE CONSTITUENT COLLEGES

ARYA KANYA DEGREE COLLEGE, ALLAHABAD

- Srivastava, Urmila, (2016), प्रयाग की पाण्डित्य परम्परा published by Eastern Book Linkers, New Delhi, ISBN No. 978-81-7854-292-8
- Singh, Rama, 2016, भारत में पंचायती राज्य व्यवस्था published by Disha International Publication, New Delhi, ISBN No. 978-93-84782-986
- Singh, Rama, 2016, Women and Law published by Sameeksha Publication, Allahabad, ISBN No. 978-93-85695-23-0
- Singh, Rama, 2016, महिला अधिकार एवं उसका दुरुपयोग published by Sameeksha Publication, Allahabad
- Singh, Rama, 2016, स्त्री अधिकार एवं बौद्ध साहित्य की नारी published by Sameeksha Publication, Allahabad, ISBN No. 978-93-85695-30-8
- Verma, Kalpana, 2016 साहित्य और समकालीनता, published by Jagat Bharti Prakashan, Allahabad, ISBN No. 978-93-84480-12-7
- Srivastava, Urmila, 2016, श्रृंगार नायक-नायिकायें : परम्परा के मोहक आधार, National Journal of Hindustani Academy, Allahabad page no. 51-55 ISSN-0378-391X
- Verma, Kalpana, 2016 हिन्दी में स्त्री आत्मकथा लेखन : दशा एवं दिशा National Journal of Hindustani Academy, Allahabad page no. 51-55 ISSN-0378-391X
- Srivastava, U, 2016, षोडशश्रृंगार प्रसाधन कला : Sangamini, Trimonthly Sanskrit Research Journal published by Bhartiya Maneesha Sutram,
- Srivastava, U, 2017, आयुर्वेदशास्त्र की नायक-नायिकायें, Sahitya Vikalp, Bi -Annual Literay Research Journal, published by Sahitya Bhandar, Allahabad
- Verma, Kalpana, 2017 बलचनमा : नागार्जुन के राग विराग की व्याख्या in the book नागार्जुन पुर्नमूल्यांकन Edited by Dr. Ganesh Dixit, published by Sahitya Bhandar, Allahabad. pp 152-155, ISBN No. 97881-7779-511-0
- Verma, Kalpana, 2016 कबीर की विद्रोही चेतनाएँ in the book समसामयिक परिवेश में कबीर के विचारों की प्रासंगिकता, Edited by Pramila Tandon, Neelima Singh, published by Rajarshi Tandon Mahila Mahavidyalaya, Allahabad
- Verma, Kalpana, 2017 नवजागरण और प्रसाद की समकालीनता, published by Lokbharti Prakashan, Allahabad, ISBN 978-93-81-344-15-6

C.M.P. DEGREE COLLEGE

- Mishra, N., Srivastava, R., Agrawal, U.R. and Tewari, R.R. (2016). An Insight into the Genotoxicity Assessment studies in Dipterans. International Journal "Mutation Research/Reviews in Genetic Toxicology". Online journal

- Singh, S. (2016) 21st Sadi Mein Hindi Mein Istri Aatm Katha Lekhan: Dasha Aur Disha. Hindustani Smarika. Pp. 108-218.
- Singh, S. (2016) Hindi Kahani: Badalte Manav Mulya. Sahitya Bharti. pp. 10-15.
- Pandey, A. and Shukla, A.K.(2016). Ellagic acid: An Antioxidant Acid. In: Role of Antioxidants in Health and Disease Prevention (edited by A.Pandey and B.Agarwal) pp. 264. Anubhav Publishing House Allahabad.
- Agrawal, U. R. and Kapoor,N. (2016).Transgenic Animals & Human Welfare. In: Technological Innovation in Agriculture and Rural Development (edited by Hemlata Pant & M.K.Singh), pp.254-257, Published by Society of Biological Sciences & Rural Development Allahabad.
- Das, S. (2016). Antioxidant potentials of berries. In: Role of Antioxidants in Health and Disease Prevention. (edited by A.Pandey and B.Agarwal) pp. 60-69, Anubhav Publishing House Allahabad.
- Pandey, A.,Das, S.& Agrawal, B. (2016) Baculovirus as a biological control of pests. In: Technological Innovation in Agriculture and Rural Development (edited by Hemlata Pant, M.K.Singh, M.Pati & B.Chaudhary), pp. 223-227. Published by Society of Biological Sciences & Rural Development Allahabad.
- Das, S. (2016) Biomass Energy: An Energy Option For Rural India In: Technological Innovation In Agriculture and Rural Development, (edited by Hemlata Pant, M.K.Singh, M.Pati & B.Chaudhary) pp. 16-20. Published by Society of Biological Sciences & Rural Development Allahabad.
- Gupta, A. (2016) Innovations in Health Care Technology. In: Technological Innovations In Agriculture and Rural Development, (edited by Hemlata Pant, M.K.Singh, M.Pati & B.Chaudhary) pp. 218-222. Published by Society of Biological Sciences & Rural Development Allahabad.
- Gupta, A. (2016) *Emblica officinalis*: A Potential use In Antioxidants in Diabetes and Cancer. In: Role of Antioxidants in Health Care and Disease Prevention, (edited by A.Pandey and B.Agarwal) pp. 236-244. Anubhav Publishing House Allahabad.
- Gupta, A. (2016) Environmentally Friendly Technologies of Green Chemistry. In: Natural Resource Management For Sustainable Agriculture And Rural Development, (edited by Hemlata Pant and M.K.Singh) pp. 186-193. Published by Society of Biological Sciences & Rural Development Allahabad.
- Gupta, A. (2016) Sustainable Agriculture. In: Technological Innovation In Agriculture and Rural Development, (edited by Hemlata Pant, M.K.Singh, M.Pati & B.Chaudhary) pp. 97-101. Published by Society of Biological Sciences & Rural Development Allahabad.
- Agrawal, U. R.and Kapoor, N. (2016) Water Pollution: A Major Source of Diseases. In: Natural Resource Management For Sustainable Agriculture and Rural Development (edited by Hemlata Pant and M.K.Singh) pp. 175-180. Published by Society of Biological Sciences & Rural Development Allahabad.
- Kapoor, N.and Agrawal, U. R. (2016) Natural Antioxidants in fish. In: Role of Antioxidants in Health and Disease Prevention (edited by A.Pandey and B.Agarwal).pp.269-283, Anubhav Publishing House Allahabad.
- Gupta, A. (2016) Swasthya Ke Liye Upyogi Amino Aml. In: Vigyan, Vol. 101(10), pp. 14-21.
- Gupta, A. (2016) Impact of Solar Radiation on Human Health. In: Cure Environment Bulletin, Vol. XXII, pp. 23-26.
- Kapoor, N. (2016) Zika: Propagation, prevention and control. In: Cure Environment Bulletin, Vol. XXII, pp. 4-7.
- Jha, S. K. (2016) Issue & Challenges of HR Practices, Disclosure with special reference to Indian Banking Sector. In: Innovation and Sustainable Development in Business Management (edited by O. Singh & K. S. Prasad). Bharti Publication, New Delhi.
- Singh, S. (2016) Bhaktikal Ka Aadhunik Sandarbh. In: Sahitya Bhandar (edited by S. K. Chaturvedi).
- Srivastava, S. K. (2017) Santulit Aaahar. In: Vigyan. pp. 20-22.
- Srivastava, S. K. (2016) Sehat Ki ABCD Se.....Sadhen Jeevan. In: Vigyan. pp. 22-24.
- Srivastava, S. K. (2016) Green Chemistry, A Pollution Free Chemistry. In: Technological Innovation in Agriculture and Rural Development (edited by Hemlata Pant, M.K.Singh, M.Pati & B.Chaudhary), pp. 79-87. Published by Society of Biological Sciences & Rural Development Allahabad.
- Srivastava, S. K. (2016) Heavy Metals in The Environment. In: Natural Resource Management For Sustainable Agriculture and Rural Development (edited by Hemlata Pant and M.K.Singh) pp. 181-185. Published by Society of Biological Sciences & Rural Development Allahabad.
- Kapoor, N. (2016) Effect of Stress on the Ecophysiology of a Catfish, *Heteropneustes fossilis*. In: Recent Advances in Applied Biosciences (edited by K. Jaiswal and S. Mishra), pp. 155-162, Narendra Publishing House, New Delhi.

- Agrawal, U. R. & Malviya, S. (2016) Threat to Frog Population: A Challenge to Environmental Disturbance. In: Trends in Biodiversity: Floral, Faunal & Ecological Aspects (edited by R. C. Sobti, K. Jaiswal & S. Mishra). pp. 143-148. Narendra Publishing House, New Delhi.

ISWAR SARAN DEGREE COLLEGE

- Srivastava, Indira, Medical and Environmental Sociology, Central Law Publications, Darbhanga, Allahabad (2016)
- Saxena, Pradeep, Advance Accountancy, Shikha Publication, Allahabad, 2016.
- Tandon, Richa, *et.al.*, Studies of Cyanobacterium Aphanothecestagnina (Spreng.), A. Br. BTA 9019, its morphological and biochemical analysis, International Journal of Current Research, 8(12) : 43390-43392, ISSN : 0975-833X.
- Tandon, Richa, *et.al.*, Genus Microcystic Kuetzing ex Lemmermann (Chroococcales, Cyanoprokaryota) from India, Phytos, 46(23) : 4-13, ISSN : 0554-1182.
- Tandon, Richa, *et.al.*, A unique attempt to identification and characterization of rare cyanobacterium Symphyonemopsiskatniensis Tiwari et Mitra. Current Research in Microbiology and Biotechnology, 4(1) : 816-820, ISSN : 2320-2246.
- Tandon, Richa, *et.al.*, Baeocytes and Pseudo Filamentous stage of Pleurocapsa Concharum Hansgirg (Cyanobacteria, Pleurocapasales) in Culture, Nova Hedwigia, 102(3-4), 429-437, ISSN : 0029-5035. (Impact Factor : 1.19).
- Singh, Sheo Harsh, Narivad Ek Udarvadi Paripekshya, Hindustani, Hindustani Academy, Allahabad, 2016.
- Singh, AnandShanker, A Discourse on the Reflections of Buddhist Political Thought published in Asian Journal of Multidisciplinary Studies, Pune, April 2016, ISSN 2348-7186.
- Shankar, Girja, Ashirvachnam – Ved Sook Manjari. Sahitya Sangam, Allahabad (2016).
- Shankar, Girja, Mangalansana – Nyadhipati Grah Shani – Ek Samagra Vivechan. Meera Publication, Nyay Marg, Allahabad (2016)
- Shankar, Girja, Shrimadbhagwad Geeta Ki Bhoomika – Shrimad Bhagvadgeeta Padyanuvad. Bahujan Vichar, Allahabad (2016).
- Shankar, Girja, Mangalansana, Hanuman Charit Manas. Global Philosophy Trust, New Delhi (2017)
- Singh, AnandShanker (Edi), Role of Media in Nation Building, Published by Cambridge Scholars Publication, London, U.K., ISBN 978-1-4438-9096-0, 2016.

K. P. TRAINING COLLEGE

- **Srivastava, A. (July to September, 2016)** – “Competency Category of Teacher Education” Pezzottaile Journals, Transforming Education for social change & Excellence, international Journal of Applied Services Marketing perspective An indexed & refereed quarterly Journal ISSN (print) 2279-0977 ISSN (Online): 2279 – 0985, Vol-5 No-3 (July to September, 2016), P P- 2341-2344, Impact – factor for 2015 – 6.492
- **Sharma, S. (January, March 2016)** – “Not Examination but its procedure and Pattern is Killing the Education”. Research discourse – An international refereed Journal Vol – iv, No. – 1, Page No. – 136 – 139. ISBN 2277 – 2014, Published by South Asia Research and Development Institute B- 28/70 ManasMandir, DurgaKund Varanasi.
- पाण्डेय, आर०के० (2016), विद्यालय से मध्यावकाश के बाद अनुपस्थित रहने वाले विद्यार्थियों की शिक्षा के प्रति अभिवृत्ति का अध्ययन – कक्षा में उपस्थिति, विक्टोरियस पब्लिशर्स, दिल्ली-92.
- **Srivastava, A. (2017)** – modernization in society upcoming trends: “Role of Education for women empowerment” Page No. – 179-183, ISBN – 978-1-73035-617-9, Department of Humanities and Social Sciences MNNIT, Allahabad.
- **Srivastava, S. (2016)**- समसामयिक परिवेश में कबीर के विचारों की प्रासंगिकता, In: “कबीर : एक आध्यात्मिक विश्लेषण” ISBN – 978-93-5265-302-7, page No. – 247-50, Tripathi Book Publishers and Distributors, Allahabad.
- **Sharma, S. (2016)** – Gender Justice and Women Issues in South Asia “Our Initiatives for Gender Equality”, Page No. – 193-196, ISBN No. – 978-93-5267-059-8 Printed by Prabha Computer, Allahabad.
- **Sahoo, N. (2016)** – Gender Justice and Women Issues in South Asia “Women Empowerment and Education”, Page No. – 188-192, ISBN No. – 978-93-5267-059-8 Printed by Prabha Computer, Allahabad.

RAJARSHI TANDON MAHILA MAHAVIDYALAYA

- Tandon, Pramila (2017), नाटककार और साहित्य सिद्धान्त Tripathi Book Distributors (Pvt) Ltd. Allahabad .ISBN 978-81-924826-8-2 .pp 253.

- Mehrotra, R (2016) महाभारत में उपलब्ध भारतीय संगीतलेख, *समर्पण 1*, 43–46.
- Mehrotra, R(2016). शास्त्रीय संगीत की विभिन्न शैलियाँ (वादन), *Different styles of classical music*,155-157,
- Srivastava, K. (2015) Bhomandalikaran, Moolya Shikshan evam Sanskrit Vangmay,*Vangmayam* ,8,18-25
- Singh,N.(2015) उच्चतम न्यायालय का निर्णय और आधार कार्ड, *Mahila Vidhi Bharati Research* ,Quarterly Law Journal, 84,260-63
- Yadav, Namita. (2016) Madhyakaleen Sangeet Shailiyon mein Radha Krishna, Anhad Lok Prati Dhvani Kala evam Sankskriti ki- Volume 5, pp - 336-339
- Tripathi,Ranjana.(2016) Rabindranath Tagore and the Western Response *International Journal of English Language ,Literature and Translation Studies* , Vol 3,Issue 2,2016 (April – June) pp 555-561
- Tripathi,Ranjana.(2016) Warring Fundamentalism *Research Innovator* Vol III Issue III, June 2016 pp 85-91
- Tripathi,Ranjana.(2016) Professional Ethics in English Language Teaching *Research Innovator* Vol III Issue III, June 2016 Pp104-107
- Tripathi,Ranjana.(2016) Transnationalism and the Migrant Mind : Journey of MG Vassanji’s Diasporic Consciousness. *International Journal of English Literature and Culture* Vol. 4 (6) July 2016 Pp 203-221.
- Singh,Neelima.(2016) महिलाओं के विरुद्ध अपराध और विधिक संरक्षण, *Women Empowerment Challenges of the Millenium*, Edited by Dr. Sarika Dubey.Published by Adhyayan Publishers & Distributors, New Delhi ISBN 978-81-8435-8 पृष्ठ 141–156
- Mehrotra, R. (2016). महिला उत्पीड़न: विभिन्न संदर्भों में. *दक्षिण एशिया में लैंगिक न्याय एवं महिलाएँ*, 153-160, राजर्षि टण्डन महिला महाविद्यालय, इलाहाबाद.
- Mehrotra, R.(2016). कबीर के पदों एवं रागों में अविनाभाव सम्बन्ध – एक संगीत शास्त्रीय अध्ययन. *समसामयिक परिवेश में कबीर के विचारों की प्रासंगिकता*, राजर्षि टण्डन महिला महाविद्यालय, इलाहाबाद. 109-113.
- Jaiswal, Sudha (2016) Gender Discrimination and Empowerment in India. *Gender Justice and Women issues in South Asia*. pp.197-201.Rajarshi Tandon Mahila Mahavidyalaya, Allahabad.
- Srivastava, Kaumudi (2016) स्त्रियों का आर्थिक सशक्तीकरण : मौजूदा स्थिति और आगे की सम्भावना. *दक्षिण एशिया में लैंगिक न्याय एवं महिलाएँ*. pp.15-22. राजर्षि टण्डन महिला महाविद्यालय, इलाहाबाद.
- Srivastava, Kaumudi (2016) कबीर और गीता : सहज–समाधि और स्थितप्रज्ञता. *समसामयिक परिवेश में कबीर के विचारों की प्रासंगिकता*. pp.267-272. राजर्षि टण्डन महिला महाविद्यालय, इलाहाबाद.
- Agarwal, Meena Rani (2016). Kabir ki bhakti ka Swaroop. *समसामयिक परिवेश में कबीर के विचारों की प्रासंगिकता*.pp.209-213. राजर्षि टण्डन महिला महाविद्यालय, इलाहाबाद.
- Singh, Neelima (2016) वर्तमान समय में भारतीय लोकतंत्र : अवसर एवं चुनौतियाँ *Rising India Domestic and External Opportunities and Challenges* ed. Arunoday Bajpai, पृष्ठ 320.328 SBPD Publications, Agra.
- Singh, Neelima (2016) भारतीय लोकतंत्र और कबीर के विचार *Proc समसामयिक परिवेश में कबीर के विचारों की प्रासंगिकता*.pp. 57–61 राजर्षि टण्डन महिला महाविद्यालय, इलाहाबाद.
- Singh, Neelima (2016) भारत पाकिस्तान एवं बांगला देश में महिलाओं की स्थिति *दक्षिण एशिया में लैंगिक न्याय और महिलाएँ* pp 213-220, Rajarshi Tandon Mahila Maha Vidhyalaya Allahabad.
- Yadav, Namita (2016) Kala Shetra Mein Laingik Asmanta ek Vishleshad, Mahila Kalakaro ke Sandarbh mein. *Dakshin Asia mein Laingik Nyaya evam Mahilayein*, National Seminar,pp- 128-136, Rajarshi Tandon Mahila Maha Vidhyalaya Allahabad
- Yadav, Namita (2017) Bauddha Yug avam Bhartiya Sanskriti Ki Jeevant Parampara Sangeet. *Buddhism and Indian Culture* , pp-381-385, Balram Snatkottar Mahavidyalay Sirhar Meja, Allahabad
- Tripathi, Ranjana. (2016) The Girl Child :Some Unanswered Questions, *Gender Justice and Women Issues in South Asia*. Pp 340-354. Rajarshi Tandon Mahila Mahavidyalay, Allahabad.

SHYAMA PRASAD MUKHERJEE GOVT. DEGREE COLLEGE

- Ethno-Botanical Diversity and Conservation Status of Medicinal Flora at High Terrains of Garhwal (Uttarakhand) Himalaya, India : A Case Study in Context to Multifarious Tourism Growth and Peri-Urban Encroachments.
- “Us Kavita Ko Namaskar Karate Hue” (Poetry Collection) written by Dr. Kirti Kumar Singh.