

Publications of 2012-13

1. Singh, J., Sharma S, Nara S. and Devi, S. 2013. Harnessing Bacterial Indicators along with Physicochemical Parameters to Assess Pollution in the Ganges River. *Journal of Pure and Applied Microbiology*. 7(2):1409-1415.
2. Shivesh Sharma, Shukla, K.P., Devi, S., Tiwari, A., Singh, J. and Singh, V.2013. Plant Microbe Symbiosis: Perspectives and Applications. *In: Plant Microbe Symbiosis*. Editor N.K. Arora. Springer. XIV, 435 p.
3. Singh Vasudha, Sharma Shivesh and Shukla K.P. 2013. Harnessing PGPR from rhizosphere of prevalent medicinal plants in tribal areas of Central India. *Research Journal of Biotechnology*. 8(5):76-85.
4. Shreya Mishra, Bisht,S,, Malik, R. Singh, J. Teotia, P., Sharma Shivesh, Kela, R. and Kumar, V.. 2013. Occurrence and Distribution of Microbiological and Physico-Chemical Indicators in Ground Water Contaminated by Drainages, North India. *Environment Asia*. 6(1):29-37.
5. Shivesh Sharma and Vasudha Singh. *Harnessing Traditional Knowledge of Medicinal Plants of Baiga tribe: Tapping Traditional knowledge of tribal areas of Central India: A Case study*. Lambert Academic Publishing. ISBN-10: 3659279536 | ISBN-13: 978-3659279539.
6. Kiran Gupta, R. P. Singh, Ashutosh Pandey, Anjana Pandey Photocatalytic antibacterial performance of TiO₂ and Ag-doped TiO₂ against *S. aureus*, *P. aeruginosa* and *E. coli* *Beilstein Journal of Nanotechnology* 2013, 4, 345-351 (2.4)
7. Priya Sinha, Anjana Pandey and Major Singh Identification of the RAPD marker linked to powdery mildew resistance gene(s) in black gram by using bulk segregant analysis *Research Journal of Biotechnology* 8(2), February 2013 (1.1).
8. Anjana Pandey and Pallavi Sinha. Hydrogen production by *Citrobacter* CDN-1 isolated from cow dung, 2013, ISBN No: 978-3-659-34479-4.
9. Sunil Bala Wesley , Devendra Prasad Maurya, Hari Sharan Goyal and Sangeeta Negi (2013) *Experimental Investigation of Microbiologically Influenced Corrosion of selected steels in Sugarcane Juice Environment"*, WIBI-D-13-00456R1, *World Journal of Microbiology and Biotechnology*. DOI: 10.1007/s11274-013-1402-5.

10. Siddharth Vats and Sangeeta Negi. (2013) Use of Artificial Neural Network (ANN) for the development of bioprocess using *Pinus roxburghii* fallen foliage for the release of polyphenols and reducing sugars. (July, 2013) *Bioresource Technology*, 140, 392-398.
11. Siddharth Vats, Devendra Prasad Maurya, Ayushi Jain, Varija Mall and Sangeeta Negi (2013), Mathematical model-based optimization of physico-enzymatic hydrolysis of *Pinus roxburghii* needles for the production of reducing sugars, *Indian Journal of Experimental Biology. in press*
12. Devendra Prasad Maurya, Siddharth Vats, Sudheer Rai and Sangeeta Negi (2013), Optimization of enzymatic saccharification of microwave pretreated sugarcane tops through response surface methodology for biofuel, *Indian Journal of Experimental Biology. In press*,
13. Siddharth Vats, Devendra Prasad Maurya, Ayushi agarwal, Mohmmad Shamoan and Sangeeta Negi (2013), Development of a microbial consortium for the production of blend of enzymes for the hydrolysis of agricultural wastes into sugars. *Journal of scientific and Industrial Research. Vol. 72, pp. 585-590.*
14. Sonawane P, Patel K, Vishwakarma RK, Srivastava S, Singh S, Gaikwad S, Khan BM (2013) Probing the active site of cinnamoyl CoA reductase 1 (LI-CCRH1) from *Leucaena leucocephala*. *International Journal of Biological Macromolecules*, 60; 33-38.
15. *Harnessing bacterial indicators along with physicochemical parameters to assess pollution in the ganges river*, Jyoti Singh, Shivesh Sharma, Seema Nara and Shikha Devi, *Journal of pure and applied microbiology*, 7 (2013).
16. Seema Nara, Harpal Singh and T. G. Shrivastav. Investigating the role of spacers on cortisol ELISA. Lambert Academic Publishing, 2012, ISBN: 978-3-659-23578-8.
17. Rani R., Padole P. Chakrabarti T., Juwarkar Asha (2012), Phytotransformation of phorate by *Brassica juncea* (Indian Mustard). *Water Air and Soil Pollution Vol 223(3)*, 1383-1392.
18. Rani R and Juwarkar A (2012), Biodegradation of phorate in soil and rhizosphere of *Brassica juncea* (L.) (Indian Mustard) by microbial consortium. *International Biodeterioration and Biodegradation. Vol 71, 36-42.*
19. Ashutosh Mani, Pramod K. Yadava and D.K. Gupta: Cold shock domain protein from *Philosamia ricini* prefers single stranded nucleic acid binding. *Journal of Biomolecular Structure and Dynamis. Vol.3(5) 532-541 (2012).*
20. Ambak K. Rai, Chandreshwar P. Thakur, Amar Singh, Tulika Seth, Sandeep K. Srivastava, Pushendra Singh and Dipendra K. Mitra. Regulatory T Cells Suppress T Cell Activation at the

- Pathologic Site of Human Visceral Leishmaniasis. *PloS ONE* (2012), 7(2): e31551. doi:10.1371/journal.pone.0031551, Impact factor: 4.411
21. Ambak K. Rai, Chandreshwar P. Thakur and Dipendra K. Mitra. Impaired Expression of CD26 Compromises T Cell Recruitment in Human Visceral Leishmaniasis. *European J of Immunology*.2012, 42(10):2782-91.
 22. Keshav Prasad Shukla, Shivesh Sharma, Nand Kumar Singh, Vasudha Singh (2012). Deciphering Rhizosphere Soil System for Strains Having PlantGrowth Promoting and Bioremediation Traits, *Agric Res*. DOI 10.1007/s40003-012-0028-4.
 23. N.K.Singh , Dharmendra Kumar Joshi and RajKishor Gupta (2012). Isolation of Phytase Producing Bacteria and Optimization of PhytaseProduction Parameters.J .*Journal of Microbiology*
 24. Keshav Prasad Shukla, Shivesh Sharma, Nand Kumar Singh and Vasudha Singh (2013).Prospecting Bacillus Species Isolated from Rhizosphere of Calotropis Plant for Biodegradation of Polycyclic Aromatic Hydrocarbons. *Pure and Applied Microbiology*. 7(1) 587-593.
 25. Raj Kishor Gupta , Shivraj Singh Gangoliya and Nand Kumar Singh (2013). Reduction of phytic acid and enhancement of bioavailable micronutrients in food grains. *Journal Food Sci. Technology*. DOI 10.1007/s13197-013-0978-y
 26. Nand K Singh, Shivraj S Gangoliya, Raj K Gupta, P Yadav, O Vaish, A kanodia and P Mishra (2013) Comparative study of endosperm development of early and late variety of basmati rice (*oryza sativa l.*) for yield improvement. *Plant Archives* Vol. 13 No. 1: pp. 493-499.
 27. Manjo Yadav, Prerna Singh, Rajpreet Kaur, Raj K.Gupta, Shivraj S Gangoliya and Nand K.Singh , (2013). Impact of food phytic acid on nutrition health and environment. *Plant Archives* Vol. 13 No. 2: In press
 28. Deepak Jain, Vachan Singh Meena, Shubhangi Kaushik, Ashwini Kamble, Yusuf Chisti and U. C. Banerjee ,“Production of nitrilase by a recombinant *Escherichia coli* in a laboratory scale bioreactor”, *Fermentation Technology* (In Press 2012).<http://dx.doi.org/10.4172/fmt.1000103>
 29. Sandip V. Pawar, Vachan Singh Meena, Shubhangi Kaushik, Ashwini Kamble, Sandeep Kataria, Yusuf Chisti, and U. C. Banerjee, “ Stereo-selective conversion of mandelonitrile to (R)-mandelic acid using immobilized cells of a recombinant *Escherichia coli*”, *3Biotech* (In Press 2012) DOI: 10.1007/s13205 012 -0058.

30. Sangeeta Negi (2013), Exploring plant and agro-industrial wastes for antimicrobial biochemicals, *In-Biotransformation of Agro-industrial waste: Fine Biochemicals*, Editors- S K Brar & G S Dhillon, Springer, New York USA. In press.
31. Sangeeta Negi and Siddharth Vats (2013), Pine forest litter based bio-refinery for biofuels and value-added phytochemicals, In – *Advances in Industrial Biotechnology*, Editors- RS Singh & A Pandey, Asiatech Publisher Inc, New Delhi, In press.
32. Laxmi Upadhyaya, Jay Singh, Vishnu Agarwal, and Ravi Prakash Tewari. Biomedical Applications of Carboxymethyl Chitosans. *Carbohydrate Polymers* 2013. Vol 91(1), pp 452-466.
33. Laxmi Upadhyaya, Jay Singh, Vishnu Agarwal, and Ravi Prakash Tewari. Recent Progress in Antimicrobial Applications of Nanostructured Materials. *Journal of nanopharmaceutics and Drug Delivery*. 2013. Vol 1, pp 4-17.

Publications of 2011-12.

1. Shukla, K.P., Sharma Shivesh, Singh, N.K. and Singh, V. 2012. Deciphering rhizosphere soil system for strains having plant growth promoting and bioremediation traits. *Agriculture Research*. 1(3):251–257
2. Shukla, K.P., Sharma Shivesh, Singh, N.K., Singh, V., Tiwari, K. and Singh, S. 2011. Nature and role of root exudates: Efficacy in bioremediation. *African Journal of Biotechnology*. 10(48): 9717-9724.
3. Singh, V., Sharma Shivesh, Singh, N.K. Shukla, K.P. and Kumar, V. 2011. Tapping the potential of traditional knowledge associated with medicinal plants of tribal communities in central India: Perspective and Avenues. *Journal of Phytology*. 3(6): 42-50.
4. Solanki, A. S., Kumar, V. and Sharma, Shivesh. 2011. AM fungi and *Azotobacter chroococcum* affecting yield, nutrient uptake and cost efficacy of *Chlorophytum borivillianum* in Indian Arid Region. *Journal of Agricultural Technology*. 7(4): 983-991.
5. Garima Kishore, Sanjay Gupta & Anjana Pandey Assessment of Population Genetic Diversity of *Fagopyrum tataricum* using SSR Molecular Marker *Biochemical Systematics and Ecology* 43, 32-41, 2012, (1.11).
6. Pandey A, Neha Srivastava & Pallavi Sinha Optimization of hydrogen production by *Rhodobacter sphaeroides* NMBL-01 *Biomass and Bioenergy* 37, 251-256, 2012 (3.840).

7. Archana Pandey & Anjana Pandey Cyanobacterial hydrogen production-A step towards clean environment. *International Journal of Hydrogen Energy* 37, 139-150, 2012, (4.053).
8. Ravindra P. Singh, Kiran Gupta, Ashutosh Pandey and Anjana Pandey Synthesis and characterization of Eu⁺⁺⁺ doped Y₂O₃ (red phosphor) and Tb⁺⁺⁺ doped Y₂O₃ (green phosphor) by hydrothermal processes. *World Journal of Nano Science and Engineering* 2, 13-18, 2012.
9. Deepmala Dubey and Anjana Pandey Effect of Nickel (Ni) on chlorophyll, lipid peroxidation and antioxidant enzymes activities in black gram (*Vigna mungo*) leaves. *International Journal of Science and Nature I.J.S.N.* 2, 395-401, 2012.
10. Sangeeta Negi and Sunil Kumar (2012). Evaluation of techniques used for parameters estimation: an application to bioremediation of grease waste. (January 2012) *Applied Biochemistry and Biotechnology*, 167,1613–1621
11. Sunil Kumar, Anisha Mathur, Varsha Singh, Suchismita Nandy, Sunil Kumar Khare and Sangeeta Negi (2012). Bioremediation of waste cooking oil using a novel lipase produced by *Penicillium chrysogenum* SNP5 grown in solid medium containing waste grease, (September 2012) *Bioresource Technology*, 120, 300–304
12. Siddharth Vats, Rajesh kumar and Sangeeta Negi (2012), Natural food that meet antibiotics resistance challenges: Invitro synergistics antimicrobial activity of *Azadirachta indica*, *Terminalia chebula*, *Piper nigrum* and photoactivated cow urine. (June, 2012) *Asian Journal of Pharmaceutical and Biological Research*, 2(2), 122-126
13. Shashidhara KS, Prashanth Kumar HP, Srivastava S, Gaikwad SM (2012) Neutral α -mannosidase from fungus *Aspergillus fischeri* (NCIM 508) belongs to Class IIC subfamily. *International Journal of Fundamental & Applied Sciences*, 1(4);78-80
14. R. K. Vishwakarma, R. Zargar, S. Singh, P. Sonawane, S. Srivastava, R. J. Santosh Kumar, B. M. Khan (2012) Molecular cloning, biochemical characterization and differential expression studies of Acetyl-CoA C-Acetyltransferase gene (AACT) from Brahmi (*Bacopa monniera*): an ayurvedic brain tonic herb. *Plant Molecular Biology Reporter*, 31(3); 547-557. IF: 5.31
15. S. Srivastava*, R. K. Vishwakarma*, S. Singh, B. M. Khan (2012). Molecular cloning and characterization of two differentially expressed Cellulose synthase gene isoforms in *Leucaena leucocephala*: A pulp yielding tree species. *Advances in Bioscience and Biotechnology*; 3: 92-100. (* Equal Authorship). ISSN: 2156-8456. IF: (Computing)

16. A Competitive immunochromatographic strip assay for 17- α -hydroxy progesterone using colloidal gold nanoparticles, VinayTripathi, Seema Nara, Kamyra Singh, Harpal Singh, Tulsidas G. Shrivastav, *ClinicaChimicaActa*, 413 (2012) 262-268.
17. Swati Singh, Ashutosh Mani, Anubha Dubey, Anoop Chaturvedi: Machine Learning Models for Classification of Motifs in Humulus(Hop). *Journal of Advanced Bioinformatics Applications and Research*. Vol.3(1).281-289 (2012)
18. Swati Singh, Sanchita Gupta, Ashutosh Mani, Anoop Chaturvedi: Mining and Gene Ontology Based Annotation of SSR Markers from Expressed Sequence Tags of *Humulus lupulus*. *Bioinformation*. 8(3): 114-122 (2012)
19. Ashutosh Mani, Swati Singh, Manish Dwivedi, Vijay Tripathi & D.K.Gupta: An Evolutionary Account of GPI Anchored Proteins. *European Journal of Experimental Biology*. 1(1)148-155. (2011)
20. Pamnani M, Sinha P and Sachan M (2013) Epigenetic modifications as prognostic marker in cancer. *Research Journal of Biotechnology* Vol. 8 June (6) 77-86.
21. A. K. Rai, C. P. Thakur, T. Seth, D. K. Mitra. Early activated Th-1 type and dominantly non-invariant natural killer T (CD3⁺CD161⁺V α 24⁻) cells in bone marrow among visceral leishmaniasis patients. *Int. J. Parasitology* 41 (2011) 1069–1077. Impact factor: 3.819. ISSN: 0020-7519 doi:10.1016/j.ijpara.2011.05.010, *Cited by 2*
22. Ambak K. Rai, Chandreshwar P. Thakur, T. Velpandian, Surendra K. Sharma, Balram Ghosh, Dipendra K. Mitra. High Concentration of Adenosine in Human Visceral Leishmaniasis: Despite Increased ADA and Decreased CD73. *Parasite Immunol.* 2011, 33 (11) 632-636. Impact factor: 2.375 DOI: 10.1111/j.1365-3024.2011.01315.x, *Cited by 2*
23. Ambak Kumar Rai, Chandreshwar Prasad Thakur, Tulika Seth and Dipendra Kumar Mitra. Enrichment of Invariant NKT Cells in the Bone Marrow of Visceral Leishmaniasis Patients. *Parasite Immunol.*, 2011 33 (12) 688-691. Online ISSN: 1365-3024 Impact factor: 2.375, DOI: 10.1111/j.1365-3024.2011.01328.x, *Cited by 1*
24. Factors Associated with Neuropsychological Impairment in HIV Infection. In: *HIV infection/Book 4*, Rai Y, Dutta T, Rai A K, Intech open access publishers, ISBN 979-953-307-190-8.

25. Keshav Prasad Shukla, Shivesh Sharma, Nand Kumar Singh, Vasudha Singh, Kirti Tiwari and Sphoorti Singh (2011). Nature and role of root exudates: Efficacy in Bioremediation. African Journal of Biotechnology . 10 (48): 9717-9724
26. Vasudha Singh, Shivesh Sharma, Nand Kumar Singh, Keshav Shukla and Vivek Kumar (2011). Tapping the potential of traditional knowledge associated with medicinal plants of the tribal communities in central India: perspective and avenues. 3: (2): 42- 50
27. Rajkishor Gupta, Nand K.Singh, Shivesh Sharma, Keshav P. Shukla and Vasudha Singh (2011). Role of MicroRNA in Crop Plant Improvement. International journal of Biosolution.1 (2): 14-24.
28. Singh S, Pandey VK, Tewari RP and Agarwal V. Nanoparticle based drug delivery system: Advantages and application. Indian Journal of Science and Technology 2011. vol 4 (3), pp 167-169.
29. Agarwal V., Verma P, Mathur AK, Singh A, Kumar D, and Yadav VK. Design and fabrication of Microbial fuel cells for generation of electricity. Indian Journal of Science and Technology 2011. vol 4 (3), pp 177-180.
30. Singh N, Agarwal V, Pammaraju SC, Pawar R and Vikas Pruthi. Impact of Infectious *Candida albicans* biofilms on biomaterials. Indian Journal of Biotechnology 2011. Vol 10, pp 417-422.
31. Amit Singh, Abhishek kaler, Vachan Singh Meena, Rachit Patil and Uttam Chand Banerjee , “Cyclodextrins and biotechnological applications, In Cyclodextrins in the pharmaceuticals, cosmetics and biomedicine: Current and future applications”, pages, 275 -285, John Wiley and Sons. ISBN: 978-0-470-47422-8, 2011.
32. B. M. Khan, S. K. Rawal, M. Arha, S. K. Gupta, S. Srivastava, N. M. Shaik, A. K. Yadav, P. S. Kulkarni, O. U. Abhilash, S.Kumar, S.Omer, R. K. Vishwakarma, S. Singh, R. J. Santosh Kumar, P. Sonawane, P. Patel, K. Chinnathambi, S. Abbassi (2011). Genetic Engineering of Phenylpropanoid Pathway in *Leucaena leucocephala*. Genetic Engineering.Chapter 4, pp 93-115.InTech-Open access publisher. Croatia.ISBN:978-953-307-790.
33. Photoproduction of Hydrogen through Biological Route Using Reverse Micelles Treatise on Photophysiology 193-206, 2011 (ISBN: 978-81-921414-1-1).

Publications of 2010-11

1. Kumar, V., Singh, A. S. and Sharma Shivesh. 2011. AM Fungi and *A. chroococcum* affecting yield, nutrient uptake and cost efficacy of Isabgoal (*Plantago ovata*) in Indian arid region. Thai Journal of Agricultural Science. 44(1): 53-60.
2. Sood, A., Pandey, P., Bisht, S., Sharma, Shivesh, Gusain, M. and Gusain, O.P. 2010. Assessment of bacterial diversity in the Gangetic river system of Uttarakhand, India. Current Science. 99(12):1660-1663.
3. Bisht, S., Pandey, P., Sood, A., Sharma, Shivesh and Bisht, N.S. 2010. Biodegradation of naphthalene and anthracene by chemo-tactically active rhizobacteria of *Populus deltoids*. Brazilian Journal of Microbiology. 41 (4): 922-930.
4. Shukla, K.P., Singh, N.K. and Sharma Shivesh. 2010. Bioremediation: Developments, Current Practices and Perspectives. Genetic Engineering and Biotechnology Journal. 3: 1-20.
5. Sharma, P., Sood, A., Sharma, Shivesh, Bisht, S., Kumar, V., Pandey, P., Gusain, M.P. and Gusain, O.P. 2010. Bacterial indicators of faecal pollution and physiochemical assessment of important North Indian lakes. RMZ – Materials and Geo Environment. 57(1): 25–40.
6. Bisht, S., Sharma Shivesh, Sood, A., Kumar, V. and Bisht, N.S. Decolorization and COD 2010. Reduction of Anaerobic Digested Molasses Spent Wash by Native Microbial Consortium. Journal of Pure and Applied Microbiology. 4 (1):47-54.
7. Pallavi Sinha and Anjana Pandey An evaluative report and challenges for fermentative biohydrogen production. International Journal of Hydrogen Energy 36, 7460-7478, 2011, (4.053).
8. Priya Srivastava, D.P. Sinha and Anjana Pandey Studies of genetic Diversity Analysis in Different Varieties of Black gram Using RAPD Markers. Journal of Plant Breeding and Crop Sciences 3, 53–59, 2011, (1.2).
9. Anjana Pandey, Anand Srivastava and Ashutosh Pandey *Acidithiobacillus ferrooxidans*: A bioleaching bacteria for better iron(II) oxidation ability. International Journal of Innovations in Biological and Chemical Sciences 1, 32-37, 2011.
10. Priya Srivastava and Anjana Pandey Standardization of Callus Induction and Plant Regeneration from Leaf Explants of Black Gram (*Vigna mungo* var. *silvestris*). International Journal of Innovations in Biological and Chemical Sciences 1, 1-6, 2011.

11. T. Govindasami, Anjana Pandey, N. Palanivelu & Ashutosh Pandey Synthesis, Characterization and Antibacterial Activity of Biologically Important Vanillin Related Hydrazone Derivatives. *International Journal of Organic Chemistry* 1, 71-77, 2011.
12. Samar Layek, Anjana Pandey, Ashutosh Pandey & H.C. Verma Synthesis of γ -Fe₂O₃ nanoparticles with crystallographic and magnetic texture. *International Journal of Engineering, Science and Technology* 2, 33-39, 2010, (1.9).
13. Archana Pandey & Anjana Pandey Effect of Iron on growth, pigmentation and antioxidative activity of bloom forming cyanobacteria. *Journal of Environmental Science and Engineering* 4, 55-64, 2010 (1.1).
14. Garima Kishore, Shashi Ranjan, Anjana Pandey & Sanjay Gupta Influence of altitudinal variation on the antioxidant potential of *Fagopyrum tataricum* of Western Himalayas. *Food Science and Biotechnology* 19, 1355-1363, 2010 (1.2).
15. Garima Kishore, Shashi Ranjan, Anjana Pandey & Sanjay Gupta In-vitro seed germination of *Fagopyrum tataricum* of different land collections in the Western Himalayas. *Seed Technology* 19, 63-68, 2010 (0.9).
16. Ashutosh Pandey, Anjana Pandey, S. Singh, P. Mayer & W.J. Parak Synthesis and structural characterization of hexanuclear Ti^{iv} compound $Ti_6(\mu_2-O)_2(\mu_3-O)_2(\mu_2-OC_4H_9)_2(OC_4H_9)_6(OOCCHCl_2)_8$. *Z. Naturforsch. Verlag der Zeitschrift für Naturforschung* 65b, 1-5, 2010 (0.816).
17. Sangeeta Negi and Rintu Banerjee (2011), Extraction and purification of glucoamylase and protease produced by *Aspergillus awamori* in a Single Fermentation, (February, 2011) *Food Technology and Biotechnology*, 49 (3), 310–315.
18. Sunil kumar., Nitin Katiyar., Priyanka Ingle, Sangeeta Negi (2011), Optimization of Lipase production using grease waste as substrate through EVOP-factorial Design Technique. (April, 2011) *Bioresource Technology*, 102, 4909-4912.
19. Sangeeta Negi and Rintu Banerjee (2010), Study of conformational changes in glucoamylase of *Aspergillus awamori* nakazawa in presence of denaturants through CD-spectroscopy. (October, 2010) *Bioresource Technology*, 101(19),7577-7580.
20. Sangeeta Negi and Rintu Banerjee (2010) Optimization of culture parameters to enhance production of amylase and protease from *Aspergillus awamori* in a single fermentation system (January 2010), *African Journal of Biochemistry Research*, 4(3), 73-80

21. M. P. Hitchins, R. W. Rapkins, C-T. Kwok, S. Srivastava, J. Wong, L. M. Khachigian, P. Polly, J. Goldblatt, R. L. Ward (2011). Dominantly inherited constitutional epigenetic silencing of MLH1 in a cancer-affected family is linked to a single nucleotide variant within the 5'UTR. *Cancer Cell*; 20(2): 200-213. ISSN: 1535-6108. IF: 26.566
22. S. Srivastava, R. K. Gupta, M. Arha, R. K. Vishwakarma, S. K. Rawal, P. B. Kavi Kishor, B. M. Khan (2011). Expression analysis of Cinnamoyl-Co A Reductase (CCR) gene in developing seedlings of *Leucaena leucocephala*, a paper and pulp yielding tree species. *Plant Physiology and Biochemistry*; 49:138-145. ISSN: 0981-9428. IF: 2.838
23. *Colloidal gold probe based rapid immunochromatographic strip assay for cortisol*, Seema Nara, VinayTripathi, Harpal Singh, Tulsidas G. Shrivasta, *AnalyticaChimicaActa*682 (2010) 66–71.
24. Rani R. and Juwarkar Asha, 2010, Adsorption of phorate, an organophosphorus pesticide on vertisol, *Archives of Environmental Contamination and Toxicology*, Volume 58, Number 4, 927-934.
25. A. Mani & D. K. Gupta: Molecular Phylogeny of Y-Box Proteins and their Cold Shock Domains. *The Internet Journal of Genomics and Proteomics*. Volume 5 Number 2.(2010).
26. C.P.Thakur, Amit Kumar, D.K. Mitra, Ambak K Rai, Arun K. Sinha and Alok Ranjan. Improving Outcome of Treatment of Kala-Azar by Supplementation of Amphotericin B with Physiologic Saline and Potassium Chloride. *Am. J. Trop. Med. Hyg.*, 83(5), 2010, 1040–1043. ISSN: 0002-9637 Impact factor: 2.795
27. Immunology of Tuberculosis. In: *Tuberculosis* (2010) Mitra DK, Rai AK (S.K. Sharma Eds) JayPee Publication 2nd Edition 108-123 ISBN 978-81-8448-514-1.
28. Keshav Prasad Shukla, Nand Kumar Singh, Shivesh Sharma (2010). *Bioremediation: Developments, Current Practices and Perspectives*. Genetic Engineering and Biotechnology Journal, Volume 2010: 1-20
29. Sweta Gupta, Brijesh Singh Yadav, K.P. Mishra and N.K. Singh (2010). The Role of Nanodrugs for Targeted Drug Delivery in Cancer Treatment. *Archives of Applied Science Research*, 2 (1) 37-51.
30. Spoorthi , Nand. K. Singh, Shivesh Sharma and Keshav Shukla. Genetic Analysis of Cellulose Fibers of Agricultural Waste Product Wheat Straws . National conference Bioprospecting: Access for sustainable development February 19-20, 2010 pp. proceeding120-123.

31. Richa A. Bhargava, Ranu K. Dutta, N. K. Singh, Sanjeev K Kumar, Avinash C. Pandey, Naresh Kumar (2010) Zinc based Indian Traditional Drug (Yashad Bhasma): Preparation, Characterization and its bacterial response. Trade Science Inc .6 (4):
32. Agarwal V., Lal P., Pruthi P., Effect of Plant Oils on *Candida albicans*. Journal of Microbiology, Immunology and Infection 2010. vol 43 (5), pp 447-451.
33. Kumar, S., Pakshirajan, K. and Venkata Dasu*, V. (2010) Localization and production of novel L-asparaginase from *Pectobacterium carotovorum* MTCC 1428. Process Biochemistry, 45:223–229.
34. Kumar* S., Venkata Dasu*, V. and Pakshirajan, K. (2011) Assessment of physical process conditions for enhanced production of glutaminase free L-asparaginase from *Pectobacterium carotovorum* MTCC 1428. Applied Biochemistry and Biotechnology 163:327–337.
35. Agarwal A., Kumar S. and Venkata Dasu*, V. (2011) Effect of carbon and nitrogen, pH and dissolved oxygen on L-asparaginase production from a newly isolated *Serratia marcescens* SK-07. Letters in Applied Microbiology, 52:307–313.
36. Kumar, S., Venkata Dasu*, V. and Pakshirajan, K. (2011) Purification and characterization of glutaminase free L-asparaginase from *Pectobacterium carotovorum* MTCC 1428. Bioresource Technology 102:2077–2082.
37. Kumar, S., Venkata Dasu*, V. and Pakshirajan, K. (2011) Studies on pH and thermal stabilities of purified L-asparaginase from *P. carotovorum* MTCC 1428: A thermodynamic consideration. Microbiology 80:355-362.
38. Vachan Singh Meena and Uttam Chand Banerjee, “Biocatalytic route for the synthesis of active pharmaceutical diol: a green approach”, Indian Journal of Biotechnology , 10, Oct.2011, 452-57.
39. A.L. Kamble, V.S. Meena and U.C. Banerjee, “Effect of agitation and aeration on the production of nitrile hydratase by *Rhodococcus erythropolis* MTCC 1526 in a stirred tank reactor” , Letters in Applied Microbiology, 2010 Oct; 51(4):413-20.
40. Abhishek Kaler, Vachan Singh Meena, Manpreet Singh, Brahmam Pujala, Asit K. Chakraborti and Uttam Chand Banerjee , “Lipase -mediated kinetic resolution of (RS) – 1 bromo-3-[4(2-methoxy-ethyl)phenoxy]-propan -2-ol to(R)-1-bromo-3-(4-(2-methoxyethyl) phenoxy) propan-2-yl acetate”, Tetrahedron Letters,2011, 52 :5355–5358.
41. Cyanobacterial toxins Algal Biotechnology 2010 ISBN: 81-7035-647-4, ISBN: 978-81-7035-647-9.

42. Immunology of Tuberculosis. In:Tuberculosis (2010) Mitra DK, Rai AK (S.K. Sharma Eds) JayPee Publication 2nd Edition 108-123 ISBN 978-81-8448-514-12.
43. Factors Associated with Neuropsychological Impairment in HIV Infection. In:HIV infection/Book 4, Rai Y, Dutta T, Rai A K, Intech open access publishers, ISBN 979-953-307-190-8.3.
44. Sangeeta Negi (2010), Cold-active enzymes in food industry,In-Comprehensive Food Fermentation Biotechnology, Editors- A Pandey etal., Asiatech Publisher Inc, New Delhi, Vol.1, pp134-152.