

**List of Publications (2010 to till date)**

**List of Publications (2010)**

S. No.	Title	Author(s)	Journal	Natl/ Internatl.	Citation index	Impact factor	H index
1	Identification and characterization of cellular locus of limonin biotransforming enzyme in <i>Pseudomonas putida</i> in the	Verma, J., Ghosh, M. Singh, S, Srivastava, P.K	Journal of Food Science & Technology 45: 319-326 (2010)	Internatl.	4	1.384	19
2	Aldehyde dehydrogenase and Stem Cell Marker Expression in Cells from Human Peripheral Blood Apheresis Samples	Sharma Siddharth, Shariatmadar Sherry; Krishan Awtar.	Cytometry B (ClinicalCytometry), 2010; 78B: 123-129 (2010)	Internatl.	3	2.398	32
3	ALDH+/CD44+/CD24- Expression in Cells from Body Cavity Fluids.	Krishan Awtar, DeeptiSharma, Sharma Siddharth Ron Hamelik, Parvin Ganjei	Cytometry B, (Clinica Cytometry) 78B, 176-182 (2010)	Internatl.	1	2.398	32
4	Degradation of Pentachlorophenol degradation by <i>Kocuria</i> sp. CL2 isolated from secondary sludge of pulp and paper mill	Santosh, K. Chakrabarthi, P and Reddy, M.S.	Biodegradation 22: 63-69 (2010)	Internatl.	1	2.173	50
5	Characterization of pentachlorophenol degrading <i>Bacillus</i> spp. from secondary sludge of pulp and paper Industry	Santosh Kr. Karn, S.K. Chakrabarty and M. S. Reddy	Int. J. Biodeterioration & Biodegradation 64: 609-613 (2010)	Internatl.	20	2.131	51
6	Pentachlorophenol degradation by <i>Pseudomonas stutzeri</i> CL7 in the secondary sludge of pulp and paper mill. clinical isolates.	Santosh Kr. Karn, S.K. Chakrabarty and M.S. Reddy	J. Environmental Sciences 22: 1608-1612 (2010)	Internatl.	19	1.399	29
7	Isolation and characterization of urease producing and calcifying bacteria from cement.	Achal, V, Mukherjee, A and Reddy, M.S.	J Microbiology Biotechnology 20: 1571-1576 (2010)	Internatl.	14	2.06	29
8	Influence of arbuscular mycorrhizal fungi ..... grown in alkaline bauxite processing residue	A. Giridhar Babu and M. S. Reddy	Environmental Pollution 159: 25-29 (2010)	Internatl.	10	3.73	108
9	Biocalcification by <i>Sporosarcina pasteurii</i> using corn steep liquor as nutrient source	V. Achal, A. Mukherjee, M. S. Reddy.	Industrial Biotechnology 6: 170-174 (2010)	Internatl.	29	0.5	11

10	Microbial Concrete: A way to enhance the Durability of Building Structures	V. Achal; A. Mukherjee, M. S. Reddy	J. Materials for Civil Eng. <a href="#">23</a> : 730-734 (2010)	Internatl.	70	0.959	40
11	In search of a sustainable binder in Building materials	A. Mukherjee, V. Achal and M. S. Reddy.	Annals of Ind Acad of Eng. VII: 41-51 (2010)	Internatl.	---	---	---
12	Perception and attitudes of Indian consumers to probiotic foods 1.	Kumar, M., Goyal, R, Khandal, H, Khilwani, B, Gupta, S, Lomash, H, Ghosh, M. and Ganguli, A.	International Journal of Prebiotics & Probiotics (2010)	Internatl.	---	---	7
13	Shoot organogenesis in elite clones of <i>Eucalyptus tereticornis</i> .	D. Aggarwal , A. Kumar and M. S. Reddy	Plant Cell Tissue Organ Cult 102:45-52 (2010)	Internatl.	16	3.633	46
14	Factors affecting <i>in vitro</i> propagation and field establishment of <i>Chlorophytum borivilianum</i>	Kumar, A, Aggarwal D, Gupta P, Reddy MS	Biologia Plantarum 54(4) : 1- 8 (2010)	Internatl.	18	1.692	53
15	Evaluation of <i>Alternaria alternata</i> ITCC4896 for use as mycoherbicide to control <i>Parthenium hysterophorus</i>	Sanjai Saxena and Mukesh Kumar	Archives of Phytopathology and Plant Protection, 43(12): 1160 – 1164 (2010)	Internatl.	4	---	11
16	Superoxide Dismutase and extracellular Protease expression in clinical isolates of <i>Staphylococcus aureus</i> : A tool for antimicrobial drug discovery	Sanjai Saxena and Charu Gomber	Molecular Cellular Biochemistry 341(1-2): 217-223 (2010)	Internatl.	6	2.329	85
17	Surmounting antimicrobial resistance in the Millennium Superbug: <i>S. aureus</i>	Sanjai Saxena and Charu Gomber	Cent European J of Med 5(1): 12-29 (2010)	Internatl.	12	0.262	7
18	Antimicrobial activity of <i>Callistemon rigidus</i> R.Br. leaf extract against multidrug resistant gram-negative	Sanjai Saxena and Charu Gomber	Int Journal of Life Science and Technology 3(3): 34-38 (2010)	Internatl.	---	-	---
19	Effect of Natalizumab on circulating B cells, T regulatory cells and Natural killer cells.	Putzki N, Baranwal MK, Tettenborn B, Limmroth V, Kreuzfelder E	European Neurology, 63(5):311-7 (2010)	Internatl.	24	1.5	52

20	Direct rhizogenesis from leaf explants of an important medicinal plant ( <i>Tylophora indica</i> (burm.f.) Merrill)	Spatia, R and Anand .M	Annals of Biology 26(1) 61-64 (2010)	National	-	---	4
21	Application of Microbial Exopolymers for removal of protozoan parasites from potable water	Ghosh, M. and Pathak, S.	Research Journal of Biotechnology. 5(1), 58-62 (2010)	Internatl.	1	0.294	6
22	Removal of Cr (VI) from aqueous solution by fungal biomass	S. S Ahluwalia and Dinesh Goyal	Engineering in Life Sciences. 10 (5) 480-485 (2010)	Internatl.	6	1.633	22
23	Effect of fly ash application on some physical properties and microbial activities	Kohli, S Jala, Goyal D.	Acta Agrophysica. 16(2) 327-335 (2010)	Internatl.	4	---	---
24	Adsorption Kinetics: Bioremoval of trivalent chromium from tannery effluent by <i>Aspergillus</i> sp. Biomass.	Indu Sharma and Dinesh Goyal	Research Journal of Env Sciences. 4(1) 1-12 (2010)	National	8	---	---
25	Biosorption of Pb <sup>2+</sup> and Zn <sup>2+</sup> by non-living biomass of <i>Spirulina</i> sp.	Aneja RK., Choudhary, G., Ahluwalia, SS and Goyal, D.	Indian Journal of Microbiology 50 (4): 438-442 (2010)	National	7	0.457	17
26	Waste water treatment and metal (Pb, Zn) removal by microalgal based stabilization pond system	Rajiv Kumar, Dinesh Goyal	Indian Journal of Microbiology 50 (1): 34-40 (2010)	National	3	0.457	17
27	Effect of ESP fly ash on physical properties of ultisol of Orissa.	Sudha Jala and Kohli Goyal D.	Indian Journal of Env Protection 30 (8): 648-652 (2010)	National	---	---	13
28	Effect of fly ash on Lac Z +ve bacteria in soil.	Sudha Jala and Kohli Goyal D.	Indian Journal of Env Protection 30 (11): 940-942 (2010)	National	---	---	11

### List of Publications (2011)

S. No.	Title	Author(s)	Journal	National/ Internatl.	Citation index	Impact factor	H index
1	Evaluation of clonal fidelity of in vitro raised plants of <i>Guadua angustifolia</i> using DNA-based markers	Harleen k Nadha, Rahul kumar, Ram K Sharma, M Anand and Anil Sood	Journal of Medicinal Plants Research 5(23) 5636-5641 (2011)	Internatl.	11	---	---
2	Optimization of potting mixture for hardening of in vitro raised plants of <i>Tylophora indica</i> to ensure higher survival percentage	Harmanjit Kaur, Manju Anand and Dinesh Goyal	Int j of Medicinal and Aromatic Plants 1(2):83- 88 (2011)	Internatl.	---	---	---
3	Combined organic acid and ozone inactivates <i>Shigella</i> spp. in sprouts but retains antioxidant activity.	Richu Singla, Ghosh, M. and Ganguli, A.	Food Control. 22(7):1032-1039. (2011)	Internatl.	5	2.806	67
4	Diversity of arbuscular mycorrhizal fungi----- ecological restoration	Babu AG, Reddy MS	Current Microbiology 63: 273-280 (2011)	Internatl.	10	1.423	61
5	Microbial concrete: way to enhance the durability of building structures.	Achal V, Mukherjee A, Reddy MS.	Journal of Materials in Civil Engg 23: 730-734 (2011)	Internatl.	70	1.3	51
6	Nutritional composition ..... mushrooms of northwestern Himalayas	Kumari D, Reddy MS, Upadhyay RC	Food Science and Technology International 17: 557-567 (2011)	Internatl.	8	1.222	39
7	Agni's fungi: heat-resistant spores from the Western Ghats, southern India	T. S. Suryanarayanan, M. B. Govindarajulu, E. Thirumalai, M. S. Reddy, N. P. Money	Fungal Biology 115: 833-838 (2011)	Internatl.	12	2.342	74
8	<i>Agrobacterium tumefaciens</i> mediated genetic transformation of selected elite clone(s) of <i>Eucalyptus tereticornis</i>	Aggarwal D, Kumar A, M.S. Reddy	Acta Physiol Plantarum 33:1603-1611 (2011)	Internatl.	22	1.584	33
9	Antioxidant activity ..... from North-Western Himalaya, India	Deepika Kumari, R. C. Upadhyay, M.S. Reddy	Int. J. Agric. Biol, 13: 415-418 (2011)	Internatl.	18	0.597	12
10	Effect of inoculation with phosphate solubilizing fungus ..... rock phosphate in alkaline soils	Singh H, M.S. Reddy	European Journal of Soil Biology 47: 30-34 (2011)	Internatl.	62	1.838	35
11	<i>Aspergillus tubingensis</i> ..... bermudagrass in bauxite residue	A. Giridhar Babu and M. S. Reddy	Bioremediation 15: 157-164 (2011)	Internatl.	2	0.40	24
12	Effect of calcifying bacteria on permeation properties of concrete structures	Achal, V, Mukherjee, A and Reddy, M.S.	J. Indus Microbiol & Biotech. 38: 1229-1234 (2011)	Internatl.	40	2.321	62
13	Molecular characterization of <i>Morchella</i> species from the Western Himalayan region of India	Harpreet Kaur Kanwal, Karan Acharya, G. Ramesh and M. S. Reddy	Current Microbiol 62: 1245-1252 (2011)	Internatl.	15	1.520	52

15	Effect of carbon, nitrogen sources -- --- production by <i>Morchella crassipes</i> .	Harpreet Kaur Kanwal, and M. S. Reddy	World J. Microbiol Biotechnol 27: 687-691 (2011)	Internatl.	15	1.262	44
16	Dual inoculation of arbuscular mycorrhizal and phosphate solubilizing .... in fly ash ponds	A. Giridhar Babu and M. S.Reddy.	Water, Air and Soil Pollution 219: 3-10 (2011)	Internatl.	31	1.748	64
17	<i>Cantharellus pseudoformosus</i> , a new species associated with <i>Cedrusdeodara</i> from India.	Deepika, K., Upadhyay, R.C. and Reddy, M.S.	Mycoscience 52: 147-151 (2011)	Internatl.	9	1.165	27
18	Factors affecting <i>in vitro</i> formation of cormlet in <i>Gldiolus hybridus</i> Hort. and their field performance.	Kumar A, Palni LMS, Sood A	<i>Acta Physiol Plantarum</i> 33: 509-515 (2011)	Internatl.	7	1.584	33
19	Pyrene degradation by <i>Bacillus</i> sp. Isolated from Coal tar Contaminated Soil.	G. P. Khanna, Dinesh Goyal and S Khanna	Polycyclic Aromatic Compounds 31 (1): 1-15 (2011)	Internatl.	8	1.044	23
20	Pyrene Biodegradation by <i>Bacillus</i> sp. Isolated from Coal tar Contaminated Soil.	G. P. Khanna, Dinesh Goyal and S Khanna	Bioremediation Journal 15 (1): 12-25 (2011)	Internatl.	2	0.4	24
21	Establishment of an efficient protocol for micropropagation from stem explants of <i>Tylophora indica</i>	Harmanjit Kaur, Manju Anand, Dinesh Goyal.	African J of Biotech 10: 6928- 6932 (2011)	Internatl.	3	0.57	35
22	Extraction of tylophorine from <i>in vitro</i> raised plants of <i>Tylophora indica</i> .	Kajjal, H., Anand, M., Goyal, D	J of Medi Plants Research 5(5): 729-734 (2011)	Internatl.	9	0.60	15
23	Enhancement of cellulase activity from a new strain of <i>Bacillus subtilis</i> by medium optimization and analysis with various cellulosic substrates.	D. Deka, P. Bhargavi, A. Sharma, Dinesh Goyal, M. Jawed and Arun Goyal	Enzyme Research Article ID 151656, doi:10.4061/2011/ 151656	Internatl.	35	---	6
24	Bioconversion of AgriculturalWaste to Ethanol by SSF Using Recombinant Cellulase from <i>Clostridium thermocellum</i>	Ruchi Mutreja, Debasish Das, Dinesh Goyal and Arun Goyal	Enzyme Research Article ID 340279, doi:10.4061/2011/ 340279	Internatl.	15	---	6
25	Establishment of reproducible, efficient protocol for micropropagation of <i>Tylophora indica</i> and extraction of tylophorine from <i>in vitro</i> raised plants.	Kajjal, H., Anand, M., Goyal, D	Int Journal of Biotechnol and Bioengineering 2: 290-306 (2011)	Internatl.	---	---	---

### List of Publications (2012)

S. No.	Title	Author(s)	Journal	National/ Internatl.	Citation index	Impact factor	H index
1.	Anti-staphylococcal potential of endophytic fungi from <i>Aegle marmelos</i> Correa ex Roxb. (Rutaceae).	Vinit Meshram, Sanjai Saxena and Neha Kapoor	Journal of Pure & Applied Microbiology 6(4): 1859-1868 (2012)	Internatl.	-	0.0546	6
2.	Identification and elimination of bacterial contamination during <i>in vitro</i> propagation of <i>Guadua angustifolia</i> Kunth	Harleen Kaur Nadha, R. Salwan, R. C. Kasana, Manju Anand and A Sood	Pharmacognosy Magazine, 8(30) 93-97 (2012)	Internatl.	-	1.525	17
3.	A micropropagation system for <i>Tylophora indica</i> and extraction and purification of tylophorine from cell cultures and <i>in vitro</i> regenerated plants	Manju Anand, Harmanjit Kaur and Dinesh Goyal	Environmental, Biomedical and Biotechnology 41 , 14-172012	Internatl.	---	---	---
4.	Molecular cloning and characterization of granule-bound starch synthase I (GBSSI) alleles from potato and sequence analysis for detection of <i>cis</i> -regulatory motifs	Anshu Bansal, Vijay Kumari, Dhakshi Taneja, Rupinder Sayal, Niranjana Das	Plant Cell, Tissue and Organ Culture (PCTOC) 109: 247-261 (2012)	Internatl.	5	3.633	55
5.	Rapid photokilling of gram-negative <i>Escherichia coli</i> bacteria by platinum dispersed titania nanocomposite films	Bonamali Pal, Isha Singh, Kunal Angrish, Raghavendra Aminedi, N. Das	Materials Chemistry and Physics 136: 21-27 (2012)	Internatl.	4	2.072	98
6.	Simplified extraction of good quality genomic DNA from a variety of plant materials	V Kumari, Anshu Bansal, R Aminedi, D Taneja, N. Das	African Journal of Biotechnology 11(24): 6420-6427 (2012)	Internatl.	3	0.570	48
7.	Characterization of cellulase producing <i>Bacillus</i> sp. for effective degradation of leaf litter biomass.	Nadeem Akhtar, A Sharma, D Deka, M. Jawed, D Goyal, Arun Goyal	Env Progress and Sustainable Energy DOI:10.1002/EP.117 26 (2012)	Internatl.	2	0.865	32
8.	Bioethanol production involving recombinant <i>C. thermocellum</i> hydrolytic hemicellulase and fermentative microbes.	Saprativ P. Das, R Ravindran, Shadab Ahmed, D Das, Dinesh Goyal, Carlos M.G.A. Fontes, Arun Goyal	Applied Biochemistry and Biotechnology 167: 1475-1488 (2012)	Internatl.	14	1.893	56
9.	Characterization of pyrene utilizing <i>Bacillus</i> spp. From crude oil contaminated soil	G. Purnima Khanna, D Goyal and S Khanna.	Brazilian Journal of Microbiology 606-617 (2012).	Internatl.	-	0.99	27
10.	Development of an amperometric biosensor for detection of limonin levels in kinnow-mandarin juices	Puri, R., Malik, M. and Ghosh, M.	Annals of Microbiol 62:1301-1309. (2012)	Internatl.	-	1.549	18
11.	Modeling of permeabilization process in <i>Pseudomonas putida</i> G7 ----- Limonin bioconversion.	Malik, M., Ganguli, A. and Ghosh, M.	Applied Microbiology and Biotechnology. 95:223-231 (2012)	Internatl.	3	3.689	115
12.	Enhancement of bioconversion efficiency of limonin by <i>Pseudomonas putida</i> G7	Malik, M., Ganguli, A. and Ghosh, M.	Int J of Food Science and Nutrition 63(1), 59-65 (2012)	Internatl.	4	1.257	41

13.	Statistical optimization of process parameters influencing limonin by <i>Pseudomonas putida</i> G7	Malik, M., Ganguli, A. and Ghosh, M.	Research Journal of Biotechnology. Volume 7 (2012)	Internatl.	10	0.294	---
14.	Immobilization parameters statistically optimized for whole cells of <i>P. putida</i> G7 to enhance limonin biotransformation	Malik, M. and Ghosh, M.	Journal of Advanced Laboratory Research in Biology 3 (2012)	National	NON-SCI	---	---
15.	Industrial whey utilization as a medium ---biphasic growth and bacteriocin production by probiotic <i>Lactobacillus casei</i> LA-1	Kumar, M., Jain, A., Ghosh, M. and Ganguli, A.	Probiotic and Antimicrobial Protein 4 :198-207 (2012)	Internatl.	3	---	5
16.	Characterization and Optimization of an Anti- <i>Aeromonas</i> Bacteriocin Produced by <i>Lactococcus lactis</i> Isolated from Hukuti Maas, an Indigenous Fermented Fish Product	Kumar, M., Jain, A., Ghosh, M. and Ganguli, A.	Journal of Food Processing and Preservation. DOI: 10.1111/jfpp.12048 (2012)	Internatl.	3	0.45	21
17.	Statistical optimization of physical parameters for enhanced bacteriocin production by <i>L. casei</i>	Kumar, M., Jain, A., Ghosh, M. and Ganguli, A.	Biotechnology and Bioprocess Engg. 17: 606-616 (2012)	Internatl.	10	1.277	24
18.	Survival of probiotic strains in non-dairy indian spice condiment exhibiting cholesterol reducing properties	Kumar, M., Singla, R., Singh, A., Ghosh, M. and Ganguli, A.	<a href="#">Food Science and Biotechnology</a> 21, 1309-1315 (2012)	Internatl.	1	0.695	13
19.	Mitogenic response and probiotic characteristics of lactic acid bacteria isolated from indigenously pickled vegetables and fermented beverages	Kumar, M., Ghosh, M. and Ganguli, A.	World Journal of Microbiology Biotechnology. 28:703-711 (2012)	Internatl.	16	1.262	44
20.	Potential application of an anti-aeromonas bacteriocin of <i>lactococcus lactis</i> ssp. <i>lactis</i> in the preservation of vegetable salad	Kumar, M., Jain, A., Ghosh, M. and Ganguli, A.	Journal of Food Safety. 32:369-378. (2012)	Internatl.	3	0.82	23
21.	Improvement in strength properties of ash bricks by bacterial calcite	Dharmi NK, MukherjeeA, Reddy MS	Ecological Engineering 39: 31-35 (2012)	Internatl.	32	2.958	61
22.	<i>Craterellus indicus</i> sp nov a new species associated with <i>Cedrus deodara</i> from the western Himalayas, India	Kumari D, Upadhayay RC, Reddy MS	Mycological Progress 11: 269-774 (2012)	Internatl.	2	1.606	14
23.	The effect of carbon and nitrogen sources on the formation of sclerotia in <i>Morchella spp</i>	Harpreet Kaur Kanwal, M.S. Reddy	Annals of Microbiology 62: 165-168 (2012)	Internatl.	5	1.549	18
24.	Corrosion prevention of reinforced concrete with microbial calcite precipitation.	Achal, V, Mukherjee, A, Goyal, S and Reddy, M.S.	ACI Materials Journal 109: 157-164 (2012)	Internatl.	17	1.5	46
25.	Improvement of wheat and maize crops by ..... with rock phosphate	Himani Singh and M. S. Reddy	Archives of Agronomy and Soil Science 58: 535-546 (2012)	Internatl.	----	---	9

26.	Impedance Study of Tea with Added Taste Compounds Using Conducting Polymer and Metal Electrodes	Mopsy Dhiman, Pawan Kapur, Abhijit Ganguli, and M. L. Singla	Journal of Nanoscience and Nanotechnology 12(9):7081-6 (2012)	Internatl.	1	1.149	61
27.	Impedance Study of Drinking Water and Tastants Using Conducting Polymer and Metal Electrodes.	Mopsy Dhiman, Pawan Kapur, Abhijit Ganguli and Madan Lal Singla	International Journal of Soft Computing and Engineering 2(2): 6-11 (2012)	Internatl.	--	0.52	23
28.	Factors affecting micropropagation and acclimatization of an elite clone of <i>Eucalyptus tereticornis</i> Sm.	Aggarwal D, Kumar A, Sharma J, Reddy MS	<i>In Vitro Cellular Developmental Biology-Plants</i> 48:521-529 (2012)	Internatl.	6	1.139	42
29.	Degradation of 2,4,6-trichlorophenol ..... pulp and paper mill	Karn KS, M. S. Reddy	J. Gen. Appl. Microbiol., 58, 413-420 (2012)	Internatl.	2	0.98	37

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S. No.	Title	Author(s)	Journal	National/ Internatl.	Citation index	Impact factor	H index
1	Viability of calcifying bacterial formulations in fly ash for applications in building materials	Navdeep Kaur Dhama, Abhijit Mukherjee, M. S Reddy	J Ind Microbiol Biotechnol 40:1403-1413 (2013)	Internatl.	4	2.321	73
2	Endophytic Xylariaceae from the forests of Western Ghats, southern India: Distribution and biological activities	Govinda R MB, Nagamani T, Babu AG, Aggarwal A, SuryanarayananTS, Reddy MS	Mycology: An Int J of Fungal Biology DOI: 10.1080/21501203.2013.776648 (2013)	Internatl.	13	--	6
3	<i>In vitro</i> anti-staphylococcal activity of alkaloids from <i>Callistemon rigidus</i> R.Br.	Charu Gomber and Sanjai Saxena	Journal of Pharma Tech, Res and Management 1: 47-60 (2013)	National	0	0	---
4	A new volatile antimicrobial producing endophytic fungus <i>Muscodor kashayum</i> sp. nov.	Meshram V, Saxena Sanjai and Neha Kapoor	Mycology 4(4): 196-204 (2013)	Internatl.	0	0	---
5	Probiotic characterization of hydrolases producing <i>Lactococcus lactis</i> subsp. <i>lactis</i> isolated from pickled yam	Seema Bhanwar, Arashdeep Singh, Abhijit Ganguli	<i>Int J Food Sci Nutr.</i> DOI 10.3109/09637486.2013.832175 (2013)	Internatl.	1	1.257	41
6	Process intensification in lactic acid production by three stage membrane integrated hybrid reactor system	P. Pal and P. Dey	Chemical Engineering and Processing: Process Intensification 64: 1-9 (2013)	Internatl.	11	1.950	49
7	Synthesis and evaluation of antibacterial activity of quaternized biopolymer from <i>K. terrigena</i>	Khaira, G.K., Ganguli, A. and Ghosh, M.	Journal of applied microbiology. doi: 10.1111/jam.12400.(2013)	Internatl.	1	2.196	86
8	Development of exobiopolymer-based biosensor for detection of phosphate in water.	Kaur, T., Ganguli, A. and Ghosh, M.	Water Science & Technology, 68, 12: 2619-2625 (2013)	Internatl.	2	1.102	86
9	Rapid inactivation of Salmonella by a quaternized biopolymeric flocculant.	Khaira, G.K., Ganguli, A. and Ghosh, M	Water Science & Tech doi:10.2166/ws.2013.169 (2013)	Internatl.	---	1.102	86
10	Development of a quaternized	Khaira, G.K.,	Journal of water &	Internatl.	3	1.22	29



	chitosan with enhanced antibacterial efficacy.	Kumarya, R., Chibber, M. and Ghosh M	health. 11, 3: 410–418. (2013)				
11	Application of biopolymer produced from metabolic engineered <i>Acinetobacter</i> sp. for the development of phosphate optoelectronic sensor.	Kaur, T., Sharma, J., Ganguli, A. and Ghosh, M	Composite Interfaces. doi:10.1080/15685543.2013.842116. (2013)	Internatl.	2	0.628	24
12	Modelling of phosphate exobiopolymer interaction.	Kaur, T. and Ghosh M.	International Journal of Biotechnology and bioengineering research,4:355-358.(2013)	National	NON-SCI	---	---
13	Use of <i>Lactococcus lactis</i> to enrich sourdough bread with $\gamma$ -aminobutyric acid.	Bhanwar S., Bamnia M., Ghosh, M. and Ganguli, A	<i>Int J of Food Science and Nutrition.</i> 64:77-81. (2013)	Internatl.	4	1.257	41
14	Modeling in vitro cholesterol reduction in relation to growth of probiotic <i>Lactobacillus casei</i> .	Jain, A., Kumar, M., Ghosh, M., and Ganguli, A	<i>Microbiology and immunology.</i> 57: 100–110 (2013)	Internatl.	4	1.545	50
15	Alkalistable xylanase production - -- <i>Paenibacillus montaniterrae</i> RMV1 isolated from red mud	Amita Arora, Pankaj Krishna, Vinita Malik and M. Sudhakara Reddy	<i>Journal of Basic Microbiology</i> 53:1–7 (2013)	Internatl.	----	1.198	29
16	<i>Bacillus megaterium</i> mediated mineralization of calcium carbonate as --treatment of Green building materials	Dhami, NK, Mukherje, A, Reddy MS	<i>World j of Microbiol and Biotechnol</i> 29: 2397-2406 (2013)	Internatl.	12	1.262	44
17	Taxol production by an endophytic fungus <i>Fusarium redolens</i> isolated from Himalayan Yew	Garyali S , Kumar A, Reddy MS	<i>Journal of Microbiology and Biotechnology</i> 23: 1372–1380 (2013)	Internatl.	14	1.399	29
18	Influence of sclerotia formation on ligninolytic enzyme production in <i>Morchella crassipes</i>	Kanwal HK, Reddy MS	<i>J of Basic Microbiol</i> DOI 10.1002/jobm.201200802 (2013)	Internatl.	---	1.198	29
19	Biogenic treatment improves the durability and remediates the cracks of concrete structures	Achal V, Mukherjee A, Goyal S, Reddy MS	<i>Construction and Building Materials</i> 48: 1-5 (2013)	Internatl.	21	2.293	50
20	Phosphate solubilizing rhizobacteria from an organic farm and their influence on the growth and yield of maize ( <i>Zea mays</i> L.),	Kaur G, Reddy MS	<i>Journal of General and Applied Microbiology</i> 59:295-303 (2013)	Internatl.	5	0.98	32
21	Role of phosphate-solubilizing bacteria in ---- fertility and crop productivity in organic farming	Kaur G, Reddy MS	<i>Archives of Agronomy and Soil Science,</i> 60: 549-564 (2013)	Internatl.	5	0.549	13
22	<i>Craterellus indicus</i> sp. nov., a new species associated with <i>Cedrus deodara</i> from the western Himalayas, India	Kumari, D., Reddy, M.S., Upadhya, R.C.	<i>Mycological Progress,</i> DOI 10.1007/s11557-011-0788-4 (2013)	Internatl.	2	1.554	14
23	Diversity of cultivable bacteria associated with fruiting bodies of wild Himalayan <i>Cantharellus</i> spp.	Kumari D, Reddy MS, Upadhya RC	<i>Ann Microbiol.</i> DOI 63: 845-853 (2013)	Internatl.	2	1.549	18
24	Biomining of Calcium Carbonate ..... Calcareous Sites	Dhami, NK, Mukherjee, A, Reddy MS	<i>J. Microbiol. Biotechnol</i> 23: 707-714 (2013)	Internatl.	15	1.399	29

25	Effective conversion of industrial starch waste to L-Lactic acid by <i>Lactococcus lactis</i> in dialysis sac bioreactor	Seema Bhanwar, Arashdeep Singh, Abhijit Ganguli	<i>Ann Microbiol.</i> DOI 10.1007/s13213-013-0754-2. (2013)	Internatl.	2	1.549	18
26	Changes in endogenous polyamines ---cormlet formation in <i>Gladiolus hybridus</i> Hort.	Kumar A, Palni LMS	<i>Scientia Horticulturae</i> 162:260-264 (2013)	Internatl	2	1.396	48
27	In vitro seed germination of economically important edible bamboo <i>Dendrocalamus membranaceus</i> Munro	Jasmine Brar , Manju Anand and Anil Sood	<i>Indian Journal of Experimental Biology</i> , 51(1) 88-96 (2013)	National	8	1.195	51
28	<i>In vitro</i> Propagation of an Edible Bamboo <i>Bambusa Bambos</i> and Assessment of Clonal Fidelity through Molecular Markers	Manju Anand, Jasmine Brar and Anil Sood	<i>Journal of Medical and Bioengineering</i> 2:257-261 (2013)	Internatl.	2	0.971	---
29	In vitro propagation of <i>Dendrocalamus asper</i> and testing the clonal fidelity using RAPD and ISSR markers	Harleen Kaur Nadha, Rahul Kumar, Ram Kumar Sharma, Manju Anand and Anil Sood	<i>International Journal Of Current Research</i> 5: 2060-2067 (2013)	Internatl.	---	---	---
30	Antioxidant activity of native and micropropagated <i>Tylophora Indica</i> leaves	Aruna Bhatia, Manju Anand, Rupali Singla, Arpit Sharma	<i>J. Nat. Prod. Plant Resour</i> 3 (1):1-7 (2013)	Internatl.	---	---	---
31	Vacuolar invertases in potato ( <i>Solanum tuberosum</i> L.): molecular cloning, characterization, ---- comparison, and analysis of gene expression in the cultivars	Vijay Kumari, Niranjn Das	<i>Acta Physiologiae Plantarum (APP)</i> <b>35</b> :2055-2068(2013)	Internatl	1	1.305	33
32	Molecular cloning and sequence comparison of a cDNA encoding $\alpha$ -glucan, water dikinase (GWD) from potato ---and analysis of gene expression	Anshu Bansal, Niranjn Das	<i>Journal of Plant Biochemistry and Biotechnology (JPBB)</i> , <b>22</b> (4):441-452 (2013)	Internatl	----	0.414	18
33	Shape-dependent bactericidal activity of TiO <sub>2</sub> for the killing of Gram-negative bacteria <i>Agrobacterium tumefaciens</i> under UV torch irradiation	Raghavendra Aminedi, Gunveen Wadhwa, Niranjn Das, Bonamali Pal	<i>Environmental Science and Pollution Research</i> <b>20</b> :6521-6530 (2013)	Internatl	8	2.618	51
34	Microbial Waste Biomass for Removal of Chromium(VI) from Chrome Effluent	Ahluwalia SS and Goyal, D	<i>Bioremediation Journal</i> 17:3, 190-199 (2013)	Internatl.	-	0.4	24
35	Analyzing Remediation Potential of Wastewater Through Wetland Plants: A Review	Misha Bhatia and Goyal D	<i>Environmental Progress and Sustainable Energy</i> 33 (1):9-27 (2013)	Internatl.	SCi	0.865	32
36	Assessing the role of <i>Phragmites australis</i> in wastewater treatment through Response surface methodology	Misha Bhatia and Goyal D.	<i>Environmental Engineering and Management Journal (Accepted)</i> (2013)	Internatl	SCI	0.970	14

37	Plant Regeneration from Encapsulated adventitious shoot buds and somatic embryos of <i>Tylophora indica</i> –An ----- and germplasm exchange.	Kajjal, H., Anand, M., Goyal, D	International Journal of Engineering Sciences Paradigms and Researches 7(1): 2319-6564 (2013)	Internatl.	---	---	---
38	Enhanced cellulase production from <i>Bacillus subtilis</i> by optimizing physical parameters for bioethanol production	Deka D, Das, S.P., Das, D., Jawed, M., Goyal, D., Goyal, A., and Sahoo, N.	ISRN Biotechnology Article ID 965310, 11 pages <a href="http://dx.doi.org/10.5402/2013/965310">http://dx.doi.org/10.5402/2013/965310</a>	Internatl.	3	---	---
39	Removal of 2,4,5-trichlorophenol by bacterial isolates from the secondary sludge of pulp and paper mill	Karn SK, Reddy MS.	J Basic Microbiol 52: 1–6 (2013)	Internatl.	1	1.198	35
40	Factors affecting genetic transformation and shoot organogenesis of <i>Bacopa monnieri</i> (L.) Wettst.	Aggarwal D, Jaiswal N, Kumar A, Reddy MS	<i>Jl of Plant Biochem &amp; Biotechnol</i> DOI 10.1007/ s13562-012-0166-6, 2013	Internatl	1	0.414	15
41.	Plant regeneration from encapsulated adventitious shoot buds and somatic embryos of <i>Tylophora indica</i> -an effective way of mass propagation and germplasm exchange	Harmanjit kaur, Manju Anand and Dinesh Goyal	International journal of Engineering Sciences Paradigms and Researches, vol 7(1), 1-9, 2013	Internatl	-	-	-
42	In vitro propagation of <i>Dendrocalamus asper</i> and testing the clonal fidelity using RAPD and ISSR markers	International Journal Of Current Research, Vol.5,Issue8, 2060-2067, 2013	Harleen Kaur Nadha, Rahul Kumar, Ram Kumar Sharma, Manju Anand and Anil Sood	Internatl	-	--	--

### List of Publications (2014)

S. No.	Title	Author(s)	Journal	National/ Internatl.	Citation index	Impact factor	H index
1.	Diversity among wild accessions of <i>Bacopa monnieri</i> (L.) Wettst. and their morphogenetic potential	Bansal M, Kumar A, Reddy MS	Acta Physiologiae Plantarum DOI 10.1007/ s11738-014-1493-0 (2014)	Internatl.	4	1.305	24
2.	Diversity of taxol producing endophytic fungi from Himalayan yew.	Garyali S, Kumar A, Reddy MS	Annals of Microbiology DOI 10.1007/s13213-013-0786-7 (2014)	Internatl.	4	1.549	18
3.	Synergistic Role of Bacterial Urease and Carbonic Anhydrase in Carbonate Mineralization	Navdeep Kaur Dhama, Abhijit Mukherjee, M. S. Reddy	Applied Biochem & Biotechnol DOI 10.1007/ s12010-013-0694-0 (2014)	Internatl.	9	1.89	73
4.	Kinetics of Biodegradation of Polypropylene/Poly lactide Blends	Kimi Jain, Gaurav Madhu, Haripada Bhunia, Pramod K. Bajpai M. S. Reddy	J. Polym. Mater. 31: 63-76 (2014)	Internatl.	1	0.3	17
5.	New records of <i>Cantharellus</i> species from the north western Himalayas of India	Kumari Deepika, M. S. Reddy, R. C. Upadhyay	Mycology 4:205-220 (2014)	Internatl.	2	---	9
6.	Influence of P-solubilizing bacteria on crop yield and soil fertility at multilocal sites	Gurdeep Kaur, M. S. Reddy	European Journal of Soil Biology 61: 35-40 (2014)	Internatl.	11	1.83	35
7.	Potential pancreatic lipase inhibitory activity of an endophytic <i>Penicillium</i> species.	Mahiti Gupta, Sanjai Saxena and Dinesh Goyal	Journal of Enzyme Inhibitors and Medicinal Chemistry doi:10.3109/14756366.2013.871007 (2014)	Internatl.	3	1.495	37
8.	Microbial metabolites for the development of ecofriendly agrochemicals	Sanjai Saxena	Allelopathy Journal 33(1): 1-23 (2014)	Internatl.	2	0.846	16
9.	In vitro propagation, biochemical studies and assessment of clonal fidelity through molecular markers in <i>Bambusa balcooa</i>	Brar, A Shafi, P Sood, M Anand & A Sood	Journal of Tropical Forest Science, 26(1)115-124 (2014)	Internatl.	---	0.57	18
10.	Influence of P-solubilizing bacteria on crop yield and soil fertility at multilocal sites	Gurdeep Kaur, M. S. Reddy	European Journal of Soil Biology 61: 35-40 (2014)	Internatl.	11	1.83	41
11.	Biodegradation of leaf litter biomass by combination of <i>Bacillus</i> sp. and <i>Trichoderma reesei</i> MTCC164.	Akhtar, N., Goyal, D., Goyal, A.	Minerva Biotechnologica (Accepted). (2014)	Internatl.	----	0.379	13
12.	Influence of <i>Agrobacterium rhizogenes</i> strains on hairy root induction and bacoside A production from <i>Bacopa monnieri</i> (L.) Wettst.	Bansal M Kumar A; M.S. Reddy	Acta Physiol Plant 36:2793-2801	<b>Internatl.</b>	<b>5</b>	1.524	33

13.	Differential expression of metallothioneins in response to heavy metals and their involvement in metal tolerance in the symbiotic basidiomycete <i>Laccar</i>	M.S. Reddy, Prasanna L, Marmeisse R., Fraissinet-Tachet L;	Microbiology 160:2235-2242	<b>Internatl.</b>	<b>5</b>	2.835	8
14.	Biomining of 2,3,4,6-tetrachlorophenol by <i>Bacillus</i> sp. and <i>Staphylococcus</i> sp. isolated from secondary sludge of pulp and paper mill	Karn SK; M.S. Reddy	Bioremediation Journal 18:93-99	<b>Internatl.</b>	<b>0</b>	0.714	26
15.	Construction of sized eukaryotic cDNA libraries using low input of total environmental metatranscriptomic	Yadav RK, Barbi F, Ziller A, Luis P, Marmeisse R Fraissinet-Tachet L.; M.S. Reddy	BMC Biotechnology 14:80	<b>Internatl.</b>	<b>3</b>	2.590	50
16.	Alkalistable xylanase production by alkalitolerant <i>Paenibacillus montaniterrae</i> RMV1 isolated from red mud	Arora A, Krishna P, Malik V; M.S. Reddy	Basic Microbiology 54:1024-1029	<b>Internatl.</b>	<b>0</b>	1.822	35
17.	Identification of key factors forenhancing competitiveness: an exploratory study of selected agri-biotech firms of Punjab in India	Sandeep Singh, Ravi Kiran, Dinesh Goyal	Agricultural Economics-Czech, (Accepted) (2014).	Internatl	-	1.1	48
18.	Enhancement of taxol production from endophytic fungus <i>Fusarium redolens</i>	Garyali S, Kumar A; M.S. Reddy	Biotechnology and Bioprocess Engineering 19: 908-915	<b>Internatl.</b>	<b>4</b>	1.220	<b>31</b>
19.	Bacterial diversity of extremely alkaline bauxite residue siteof alumina industrial plant using culturable bacteria and residue 16S rRNA gene clones	Krishna P, Babu AG; M.S. Reddy	Extremophiles 18:665-676	<b>Internatl.</b>	<b>6</b>	2.174	<b>59</b>
20.	Diversity and antimutagenic activity of taxol producing endophytic fungi from Himalayan yew	Garyali S, Kumar A; M.S. Reddy	Annals of Microbiology 64: 1413-1422	<b>Internatl.</b>	-	1.039	<b>22</b>
21.	Soil application of flyash based biofertilizers for increased crop production”	Rajinder Kaur, Dinesh Goyal.	Vegetos, 27 (2) (2014) 291-300	National	-	0.03	4
22.	Mineralogical comparison of coal flyash with soil for use in agriculture	Rajinder Kaur, Dinesh Goyal.	Journal of Material Cycles and Waste Management, DOI :10.1007/s10163-014-0323-1, (2014).	National	-	0.831	20
23.	Mineralogical studies of coal flyash for soil application in agriculture	Rajinder Kaur, Dinesh Goyal.	Particulate Science and Technology, DOI :10.1080/02726351.2014.938378, (2014).	International	1	0.48	21
24.	<i>Suillus triacicularis</i> sp. nov.,	Verma B; M.S.	Phytotaxa 162: 157-	<b>Internatl.</b>	<b>3</b>	1.376	<b>12</b>

	a new species associated with <i>Pinus roxburghii</i> from northwestern Himalayas, India	Reddy	164				
25.	<i>Suillus himalayensis</i> (Basidiomycota, Agaricomycetes, Boletales), a new species associated with <i>Pinus wallichiana</i> from north western Himalayas, India	Verma B; M.S. Reddy	Nova Hedwigia 99: 541-550	<b>Internatl.</b>	<b>3</b>	0.989	<b>30</b>
26.	Viability of calcifying bacterial formulations in fly ash for applications in building materials	Dhami NK, Mukherjee A; M.S. Reddy	Journal of Industrial Microbiology and Biotechnology 40: 1403-1413	<b>Internatl.</b>	<b>4</b>	2.505	<b>73</b>
27.	Taxol production by an endophytic fungus <i>Fusarium redolens</i> isolated from Himalayan yew	Sanjog Garyali, Anil Kumar; M.S. Reddy	J. Microbiology and Biotechnology 23: 1372=1380	<b>Internatl.</b>	<b>14</b>	1.353	<b>38</b>
28.	Analyzing Remediation Potential of Wastewater Through Wetland Plants: A Review	Misha Bhatia, Dinesh Goyal.	Environmental Progress and Sustainable Energy, 33 (1) (2014) 9-27.	International	20	1.26	41
29.	Biodiversity of cellulase producing bacteria and their application	Nadeem Akhtar, Aanchal, Dinesh Goyal, Arun Goyal.	Cellulose Chemistry and Technology, (Accepted) (2014).	International	---	0.83	18
30.	Simplification and optimization of media ingredients for enhanced production of CMC <sub>Case</sub> by newly isolated <i>Bacillus subtilis</i> NA15",	Nadeem Akhtar, Aanchal, Dinesh Goyal, Arun Goyal	Environmental Progress and Sustainable Energy, (2014). DOI 10.1002/ep.	Internal	---	1.26	41
31.	A. Sharma, Nadeem Akhtar, Dinesh Goyal and Arun Goyal	Responsesurface methodology for optimization of microbial cellulase production. A Review.	(2014) Romanian Biotechnological Letters.		---	0.4	11
32.	Nadeem Akhtar, Kanika Gupta, Alok K. Jain, Dinesh Goyal, Arun Goyal.	"Surfactant assisted microwave-acid pre-treatment of leaf litter biomass for enhanced enzymatic release of sugars",	Cellulose Chemistry and Technology, (Accepted) (2014).		---	0.83	18
33.	Mahiti Gupta, Sanjai Saxena and Dinesh Goyal	lipase inhibitory activity of endophytic fungal species associated with <i>Aegle marmelos</i> : A	(2015): Symbiosis 64 (3): 149-157 DOI 10.1007/s13199-015-0311-9		---	1.438	34

		bioresource for potential pancreatic lipase inhibitor.					
34.	Raghavendra Aminedi, Niranjana Das	Class I patatin genes from potato ( <i>Solanum tuberosum</i> L.) cultivars: molecular cloning, sequence comparison, prediction of diverse cis-regulatory motifs, and assessment of the promoter activities under field and <i>in vitro</i> conditions	In Vitro Cell. Dev. Biol.-Plant 50:673-6872014	international	--	<b>0.981</b>	51
35.	Dhakshi Taneja, Niranjana Das	Molecular cloning, sequence analyses, and expression studies of sucrose-phosphate synthase in the potato ( <i>Solanum tuberosum</i> L.) cultivars	Acta Physiol Plant 36:2253–22692014	international	--	<b>1.524</b>	33
36.	Conserved peptide containing overlapping CD4+ and CD8+ T cell epitopes in H1N1 influenza virus: An immunoinformatics approach.	Lohia N, Baranwal M.	Viral Immunology	<b>Internatl</b>	2	<b>1.636</b>	<b>49</b>
37.	Changes in endogenous polyamines during in vitro cormlet formation in <i>Gladiolus hybridus</i> Hort.	Anil Kumar; LMS Palni;	Scientia Horticulturae 162: 260-264 (1.44)	<b>International</b>	2	1.504	60
38.	Optimization of fermentation parameters for bioconversion of corn to ethanol using response surface methodology	7. Walia NK, Sekhon KK, Cameotra SS, Chaudhary DP, Srivastava P; Anil Kumar	Journal of Petroleum Environment and Biotechnology doi.org/10.4172/2157-7463.1000178 (---)	<b>International</b>	---	---	
39.	Size-controlled silver nanoparticles synthesized over the range 5-100 nm using the same protocol and their antibacterial efficacy	Agnihotri Shekhar, Mukherji Soumyo, and Mukherji Suparna	RSC Advances	Internatl.	127	3.84	45
40.	Potential Xanthine Oxidase inhibitory activity of endophytic <i>Lasioidiplodia</i>	Neha Kapoor and Sanjai Saxena	Applied Biochemistry and Biotechnology 173 (6): 1360-1374DOI:	Internatl.	1	1.735	73

	pseudotheobromae.		201410.1007/s12010-014-0927-				
41.	Muscodor darjeelingensis, a new endophytic fungus of Cinnamomum camphora collected from north eastern Himalayas.	<b>Sanjai Saxena</b> , Vineet Meshram and Neha Kapoor	Sydowia 66 (1): 55-67 2014	Internatl.	3	1.021	22
42.	Muscodor strobilii, a new endophytic species from South India.	Vineet Meshram, <b>Sanjai Saxena</b> and Neha Kapoor	Mycotaxon 128:93-104 2014	Internatl.	1	0.705	31
43.	Resveratrol: Biological activities and therapeutic potential	<b>Sanjai Saxena</b> and Anugya Srivastava	Journal of Pharmaceutical Technology, Research and Management 2 (2): 145-157 2014		--	---	---
44.	CardiovascularDisease Prediction based on Physical factors using Quantum Neural Network.	Renu Narain, <b>Sanjai Saxena</b> and Achal Kumar Goyal	International Journal of Information Processing 8 (3): 83 2014	internatl	--	---	--
45.	Enhanced phosphate binding exobiopolymer production by a mutant Acinetobacter haemolyticus is mediated by increased phosphoglucomutase activity, Biocatalysis and Biotransformation	Kaur T, Ghosh M	Biocatalysis and Biotransformation (2014). inpress	internatl	--	0.691	35
46.	Antimicrobial efficacy and in vivo toxicity studies of a quaternized biopolymeric flocculant.	GK.Khaira, A. Ganguli, M.Ghosh	Journal of Water and Health. 12(4) :656-62 (IF: 1.172)	internatl	2	1.458	38
47.	Optimization of Microcapsule Production by Air Atomization Technique using Two Fluid Nozzle	Narsaiah K., Jha, S.N., Mandge H.M., <b>Jyoti Jha</b> , and Manikanatan M.R	Agricultural Research, ICAR, NEW DELHI (ISSN: 2249-720X)	National	5	--	-



<b>List of Publications (2015)</b>							
<b>S. No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Journal</b>	<b>National/ Internatl.</b>	<b>Citation index</b>	<b>Impact factor</b>	<b>H index</b>
1	Potential pancreatic lipase inhibitory activity of an endophytic <i>Penicillium</i> species.	Mahiti Gupta, Sanjai Saxena and Dinesh Goyal	Journal of Enzyme Inhibition and Medicinal Chemistry 30 (1): 15-21	International.	2	2.33	43
2	<i>Muscodor tigerii</i> sp. nov. Volatile antibiotic producing endophytic fungus from North-eastern Himalayas	Sanjai Saxena, Vineet Meshram and Neha Kapoor	Annals of Microbiology 65(1): 47-57	International	---	0.99	22
3	Diversity and lipase inhibitory activity of endophytic fungal species associated with <i>Aegle marmelos</i> : A bioresource for potential pancreatic lipase inhibitor	Mahiti Gupta, Sanjai Saxena and Dinesh Goyal	Symbiosis 64 (3): 149-157	International	---	0.941	34
4	Screening and Toxicity Analysis of Catechin Isomers against Fem A Protein: a possible target for drug development.	Divya Singhal and Sanjai Saxena	Indian Journal of Pharmaceutical Sciences 77 (6): 758-763	National	----	0.32	37
5	<i>Muscodor ghoomensis</i> and <i>Muscodor indica</i> : new endophytic species based on morphological features, molecular and volatile organic analysis from Northeast India. –	Meshram V., Gupta M. and Saxena S	Sydowia 67: 133–146	International	---	1.021	21
6	<i>In vitro</i> antimicrobial potential of Indian <i>Muscodor</i> species.	Jaspreet Kaur Boparai, Sanjai Saxena and Vineet Meshram	Journal of Basic and Applied Mycology 11(I &II): 22-25	National	---	1.88	1
7	Arginine assisted immobilization of silver nanoparticles on ZnO nanorods: An enhanced and reusable antibacterial substrate without human cell cytotoxicity	Shekhar Agnihotri, Geetika Bajaj, Suparna Mukherji, Soumyo Mukherji	Nanoscale	Internatl.	5	7.394	82
8	Effectiveness of immobilized silver nanoparticles in inactivation of pathogenic bacteria	Sharda Bharti, Shekhar Agnihotri, Soumyo Mukherji, Suparna Mukherji,	Journal of Environmental Research And Development	Internatl.	----	1.6	----
9	Antioxidant and cytotoxic activity of carotene produced by <i>Dunaliella salina</i> under stress	Pritika Singh, Manoj Baranwal, M. Sudhakara Reddy	Pharmaceutical Biology	Internatl	---	1.241	37

10	Identification of conserved peptides comprising multiple T cell epitopes of matrix 1 protein in H1N1 influenza virus	Lohia N, <b>Baranwal M</b>	Viral Immunology	<b>Internatl</b>	---	1.446	46
11	Low Sucrose and High Gibberellic Acid Levels Positively Regulates Relative Growth Rate and Organogenesis in <i>D. membranaceus</i> Munro	Jasmine Brar, Manju Anand and Anil Sood	Biochemistry and analytical Biochemistry, vol 4:198	<b>National</b>	---	---	---
12	Characterization and upregulation of bifunctional Phosphoglucomutase/Phosphomannomutase enzyme in an exobiopolymer overproducing strain of <i>Acinetobacter haemolyticus</i>	Kaur, T., <b>Ghosh, M</b>	Microbiological Research	<b>International</b>	--	1.939	44
13	<i>Acinetobacter haemolyticus</i> MG606 produces a novel, phosphate binding exobiopolymer	Kaur, T., <b>Ghosh, M</b>	Carbohydrate polymers	<b>International</b>	--	3.916	11
14	Genetic transformation of endo-1,4-b-glucanase (Korrigan) for cellulose enhancement in <i>Eucalyptus tereticornis</i>	Aggarwal D, <b>Kumar A</b> , Reddy MS	<i>Plant Cell Tissue &amp; Organ Culture</i> DOI 10.1007/s11240-015-0774-7	<b>Internatl</b>	1	2.12	55
15	Podophyllotoxin content in rhizome and root samples of <i>Podophyllum hexandrum</i> Royle Populations from Indian Himalayan region	Pandey H, <b>Kumar A</b> , Palni LMS, Nandi SK	Journal of Medicinal Plants Research 9: 320-325	<b>Internatl</b>	--	--	26
16	Production of bacoside A, a memory enhancer from hairy root cultures of <i>Bacopa monnieri</i> (L.) Wettst.	Bansal M, <b>Kumar A</b> , Reddy MS	<i>Journal of Applied Research on Medicinal and Aromatic Plants</i> (Accepted)	<b>Internatl</b>	--	--	--
17	Functional genetic variants in pre-miR-146a and 196a2 genes are associated with risk of lung cancer in North Indians	Kushaldeep Kaur Sodhi, Charu Bahl, Navneet Singh, Digamber Behera Siddharth Sharma	Future Oncology. (2015) 11(15), 2159–2173	<b>International</b>	2	2.477	42
18	Genetic polymorphisms in GSTM1, GSTT1 and GSTP1 genes and risk of lung cancer in a North Indian population	Neha Sharma Amrita Singh Navneet Singh Digamber Behera, Siddharth Sharma,*	Cancer Epidemiology 39 (2015) 947–955	<b>International</b>	---	2.74	54

19	Effectiveness of immobilized silver nanoparticles in inactivation of pathogenic bacteria	Sharda Bharti, Shekhar Agnihotri, Soumyo Mukherji, Suparna Mukherji,	Journal of Environmental Research and Development	Internatl.	--	1.6	---
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### List of Publications (2016)

S. No.	Title	Author(s)	Journal	National/ Internatl.	Citation index	Impact factor	H index
1.	Physico-chemical characteristics of leaf litter biomass to delineate the chemistries involved in biofuel production. 62, 239-246.	Akhtar, N., Goyal, D., & Goyal, A.	<i>Journal of the Taiwan Institute of Chemical Engineers,</i>	International	---	3.2	28
2.	Recent advances in pretreatment technologies for efficient hydrolysis of lignocellulosic biomass.	Akhtar, N., Gupta, K., Goyal, D., & Goyal, A. (2016).	<i>Environmental Progress &amp; Sustainable Energy.</i>	International	---	1.4	41
3.	Surfactant-Assisted Microwave-Acid Pretreatment Of Leaf Litter Biomass For Enhanced Enzymatic Release Of Sugars.	Akhtar, N., Gupta, K, Goyal, D., & Goyal, A	Cellulose. Chem. Technol.	International	-----	0.83	18
4.	Benzimidazole-Based Quinazolines: <i>In Vitro</i> Evaluation, Quantitative Structure–Activity Relationship, and Molecular Modeling as Aurora Kinase Inhibitors.	Alka Sharma, Vijay Luxami, Sanjai Saxena and Kamaldeep Paul	Archiv der Pharmazie 349 (3): 193-201	Internationl.	---	1.531	40
5.	Synthesis and Anti-Staphylococcal Activity of 2, 4-Disubstituted Diphenylamines.	Ramadeep Kaur Mehton, Vineet Meshram, Sanjai Saxena and Manmohan Chhibber	Journal of Brazilian Chemical Society (Accepted/ In Press)	International	---	1.5	49
6.	Xylarinase: a novel clot busting enzyme from an endophytic fungus <i>Xylaria curta</i> .	Vineet Meshram, Sanjai Saxena and Karan Paul	<b>Journal of Enzyme Inhibition and Medicinal Chemistry (Accepted/ In Press)</b>	International	---	2.383	43
7.	Endophytic Fusarium species from Western Ghats of India and their fibrinolytic properties.	Vineet Meshram and Sanjai Saxena	<b>Sydowia ( Accepted/ In press)</b>	International	---	1.021	22

8.	Mycoherbicidal potential of <i>Phaeoacremonium italicum</i> , a new pathogen of <i>Eichhornia crassipes</i> infesting Harike wetland, India.	Birinderjit Singh, Sanjai Saxena, Maneek Kumar and Vineet Meshram	<b>Mycobiology (Accepted/ In press)</b>	International	---	---	8
9.	Combinations of the Variant Genotypes of CYP1A1, GSTM1 and GSTT1 are Associated with an Increased Lung Cancer Risk in North Indian Population: a Case-Control Study	Yashila Girdhar Navneet Singh Digambar Behera Siddharth Sharma	Pathol. Oncol. Res. DOI 10.1007/s12253-016-0058-5	<b>International</b>	---	1.855	---
10.	Quantification and In Vitro Bio-accessibility of Selenium from Osborne Fractions of Selenium-Rich Cereal Grains	Noorpreet I. Dhanjal, Siddharth Sharma, and N. Tejo Prakash2	Cereal Chemistry 2016 (in press)	<b>International</b>	---	1.32	73
11.	Nanocavity-Coupled Photonic Crystal Waveguide as Highly Sensitive Platform for Cancer Detection	Saronika Jindal, Shruti Sobti, Mukesh Kumar, Siddharth Sharma, and Manoj Kumar Pal	IEEE SENSORS JOURNAL, VOL. 16, NO. 10, MAY 15, 2016	<b>International</b>	---	1.733	40
12.	Significant indicators for biomineralisation in sand of varying grain sizes	Navdeep Kaur Dhama, M Sudhakara Reddy, Abhijit Mukherjee	Construction and Building Materials 104: 198-207	International	---	2.818	70