

Sr. no.	Authors	Title	Journal	National/ International	Year
1	Ramya R, Utpal Roy et al.	Evaluation of Antifungal efficacy of three new cyclic lipopeptides of the class Bacillomycin from Bacillus subtilis RLID 12.1	Antimicrobial Agents & Chemotherapy (accepted)	International	2017
2	Saddhe AA, Jamdade RA, Kumar K.	Evaluation of multilocus marker efficacy for delineating mangrove species of West Coast India.	Plos One 12(8)	International, e0183245	2017
3	Subhadeep Banerjee, Anjan Chattopadhyay, Joseph R.D.Fernandes, Arnab Banerjee, Apeksha Ashok, Phadte, Akanksha Vinod Savardekar, Keisham Sarjit Singh	Synthesis and electronic properties of ester substituted 1,4-dicyanodibenzodioxins and evaluation of anti-proliferative activity of all isomeric 1,2-, 2,3- and 1,4-dicyanodibenzodioxins against HeLa cell line	Bioorganic & Medicinal Chemistry Letters; 27 (18); 4280-4284	International	2017
4	Srivastava, Pallavee, and Meenal Kowshik	Fluorescent Lead (IV) Sulfide Nanoparticles Synthesized by Idiomarina sp. Strain PR58-8 for Bioimaging Applications	Applied and Environmental Microbiology, 83.7 (2017): e03091-16	International	2017
5	Divya Bandekar, Om Prakash Chouhan, Swati Mohapatra, Mousumi Hazra, Saugata Hazra, Sumit Biswas*	Putative protein VC0395_0300 from Vibrio cholerae is a diguanylate cyclase with a role in biofilm formation.	Microbiological Research, Elsevier.	International. 202:61-70	2017

6	Manjuri K. Koley, Om Prakash Chouhan, Sumit Biswas, Joseph Fernandes, Arnab Banerjee, Anjan Chattopadhyay, Babu Varghese, Periakaruppan T. Manoharan and Aditya P. Koley.	Spectroscopic, electrochemical and DNA binding studies of some monomeric copper(II) complexes containing N2S(thiolate)Cu core and N4S(disulfide)Cu core	Inorganica Chimica Acta	International.45 6:179-198.	2017
7	Joseph R DFernandes, Sammit Jain and Arnab Banerjee.	Expression of ODC1, SPD, SPM and AZIN1 in the hypothalamus, ovary and uterus during rat estrous cycle.	General and Comparative Endocrinology	International 246:9-22.	2017
8	Pai PP, Mondal S.	Applying Knowledge of Enzyme Biochemistry in Prediction of Functional Sites for Aiding Drug Discovery.	Curr Top Med Chem. 2017;17(21):2401-2421. doi: 10.2174/1568026617666 170329153858. Review.	International	2017

9	Pai PP, Dattatreya RK, Mondal S.	Ensemble Architecture for Prediction of Enzyme–Ligand Binding Residues using Evolutionary Information.	Mol Inform. 2017 Jun 19. doi: 10.1002/minf.201700021. [Epub ahead of print]	International	2017
10	Pai PP, Dash T, Mondal S.	Sequence-based discrimination of protein-RNA interacting residues using a probabilistic approach.	J Theor Biol. 418:77-83. DOI: 10.1016/j.jtbi.2017.01.040	International	2017
11	Pathan J, Mondal S, Sarkar A, Chakrabarty D.	Daboalectin, a C-type lectin from Russell's viper venom induces cytoskeletal damage and apoptosis in human lung cancer cells in vitro.	Toxicon. 127:11-21. DOI: 10.1016/j.toxicon.2016.12.013	International	2017
12	Akriti Rastogi, Angshuman Sarkar and Dibakar Chakrabarty*.	Partial purification and identification of a metalloproteinase with anticoagulant activity from Rhizostoma pulmo (Barrel Jellyfish).	Toxicon	International 132, 29-39	2017

13	Geethanjali Ravindran, Dibakar Chakrabarty & Angshuman Sarkar	Cell specific stress responses of cadmium-induced cytotoxicity	Animal Cell and Systems	International 21:1, 23-30	2017
14	Saddhe, A.A. Jamdade, R. and Kumar, K	Assessment of mangroves from Goa, west coast India using DNA barcode markers	SpringerPlus 5:1554	International	2016
15	Mosa, K.A. Kumar, K. Chikara, S. Musante, C. White, J.C. and Dhankher, O.P.	Enhanced boron tolerance in plants mediated by bidirectional transport through plasma membrane intrinsic proteins	Scientific Reports 6: 21640.	International	2016
16	Avijit Das , Malabika Biswas	Changes in the Functional Activity of Phi11 Cro Protein is Mediated by Various Ions	Protein J DOI 10.1007/s10930-016-9684-8	International	2016
17	Chandrasekhar Chanda, Angshuman Sarkar and Dibakar Chakrabarty*	Novel thrombolytic protein from Cobra venom with Anti-Adhesive Properties	Archives of Biochemistry and Biophysics	International 590,20-26	2016
18	Chouhan OP, Bandekar D, Hazra M, Baghudana A, Hazra S, Biswas S*.	Effect of site-directed mutagenesis at the GGEEF domain of the biofilm forming GGEEF protein from Vibrio cholerae.	AMB Express.	International.6(1):2	2016

19	Ram Kothandan and Sumit Biswas* ^{ft}	Comparison of Kernel and Decision Tree-based Algorithms for the Prediction of microRNAs Associated with Cancer.	Current Bioinformatics	International.11 (1):143- 151.	2016
20	Ketaki R. Deshmukh, Sutapa Roy Ramanan, Meenal Kowshik	Low-temperature-processed biocompatible Ag-HAp nanoparticles with anti-biofilm efficacy for tissue engineering applications	Journal of Sol-Gel Science and Technology, 80.3 (2016): 738-747	International	2016
21	Shaik, M. Monsoor, and Meenal Kowshik	Novel melt-down neutralization method for synthesis of chitosan–silver scaffolds for tissue engineering applications	Polymer Bulletin 73.3 (2016): 841-858	International	2016
22	Kshipra Naik, V Girish Chandran, Raghavan Rajashekar, Sachin Waigaonkar and Meenal Kowshik	Mechanical properties, biological behaviour and drug release capability of nano TiO ₂ -HAp-Alginate composite scaffolds for potential application as bone implant material	Journal of Biomaterials applications, DOI: 10.1177/0885328216661219	International	2016
23	Samudram A, Mangalassery BM, Kowshik M, Patincharath N, Varier GK	Passive permeability and effective pore size of HeLa cell nuclear membranes	Cell Biology International 40.9 (2016): 991-998	International	2016

24	Walawalkar YD, Vaidya Y, Nayak V	Response of Salmonella Typhi to bile generated oxidative stress: implication of quorum sensing and persister cell populations	Pathogens and Disease Volume 74, Issue 8	International	2016
25	Walawalkar, Yogesh D., Yatindra Vaidya, and Vijayashre Nayak	Alteration in TGF- β receptor expression in gallbladder disease: implications of chronic cholelithiasis and chronic Salmonella typhi infection	Gastroenterology Insights 7.1	International	2016
26	Manuka, R. Saddhe, A. A. and Kumar, K	Genome-wide identification and expression analysis of WNK kinase gene family in rice.	Computational Biology and Chemistry 59: 56 - 66	International	2015
27	Jigni Pathan, Ansie Martin, Rajdeep Chowdhury, Dibakar Chakrabarty* and Angshuman Sarkar*	Russell's Viper Venom Affects Regulation Of Small Gtpases And Causes Nuclear Damage	Toxicon	International 108, 216-225.	2015
28	Pai PP, Ranjani SSS, Mondal S	PINGU: Prediction of eNzyme catalytic residues using seqUence information	PLoS ONE10(8) :e0135122	International	2015

29	Bhakti B. Salgaonkar and Judith M. Bragança	Biosynthesis of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by Halogeometricum borinquense strain E3.	International Journal of Biological Macromolecules 78:339-346. (10.1016/j.ijbiomac.2015.04.016).	International	2015
30	Pallavee Srivastava, Edarapalli VR Nikhil, Judith M Bragança, Meenal Kowshik	Anti-bacterial TeNPs biosynthesized by haloarchaeon Halococcus salifodinae BK3	Extremophiles, DOI: 10.1007/s00792-015-0767-9	International	2015
31	Subhadeep Banerjee, Anjan Chattopadhyay, Arnab Banerjee, Meera Haridas, Praveen Saini, Moitreyi Das, Mahesh S. Majik, Yogesh Kr. Maurya	Synthesis and photophysical characterization of quasi push-pull dicyanodibenzodioxins and their anti-tumor activity against glioma cell line C6.	Bioorganic & medicinal chemistry letters: 25(4):753-7.	International	2015
32	Priyanka Dwivedi, Vijayashree Nayak, Meenal Kowshik	Role of gold nanoparticles as drug delivery vehicles for chondroitin sulfate in the treatment of osteoarthritis,	Biotechnology Progress, doi: 10.1002/btpr.2147	International	2015
33	M Monsoor Shaik and Meenal Kowshik	Novel melt-down neutralization method for synthesis of chitosan-silver scaffolds for tissue engineering applications	Polymer Bulletin, DOI 10.1007/s00289-015-1522-1	International	2015

34	Chakrabarti P, Biswas S	Analysis of interactions and dissection of interfaces involved in RNA-protein recognition.	Protein Peptlett. 2015 DOI:10.2174/0929866522 666150115112654	International	2015
35	Kothandan R, Biswas S	Identifying micrnas involved in cancer pathways using support vector machines.	Computational biology and chemistry, 2015 apr;55:31-6	International	2015
36	Mir MA, Arumugam M, Mondal S, Rajeswari HS, Ramakumar S, Ajitkumar P	Mycobacterium tuberculosis Cell Division Protein, FtsE, is an ATPase in Dimeric Form.	Protein J. 34:35-47.	International	2015
37	Saddhe A.A. and Kumar, K	In silico identification and expression analysis of MscS like gene family in rice	Plant Gene 1:8-17	International	2015
38	Archana Sharma, Sumrita Bhat, Vijayashree Nayak , Ashok Kumar	Efficacy of supermacroporous poly(ethylene glycol)-gelatin cryogel matrix for soft tissue engineering applications	Materials Science and Engineering C 47 (2015) 298-312	International	2015
39	Sahoo S, Raghavendra KM, Biswas S*	Identification of a proteinaceous component in the leaf of Moringa oleifera lam. with effects on high serum creatinine	Ind. J. Pharm. Sci.	National.76(1): 78-81.	2014

40	Srivastava, Pallavee, Judith Braganca, Sutapa Roy Ramanan, and Meenal Kowshik	Green Synthesis of Silver Nanoparticles by Haloarchaeon Halococcus salifodinae BK6	Advanced Materials Research Vol 938, 236-241	International	2014
41	Priyanka Dwivedi, Sumrita Bhat, Vijayashree Nayak, Ashok Kumar	Study of Different Delivery Modes of Chondroitin Sulfate Using Microspheres and Cryogel Scaffold for Application in Cartilage Tissue Engineering	International Journal of Polymeric Materials. Nov 2014, Vol. 63: 859-872	International	2014
42	Deepthi Das, B. B. Salgaonkar, K. Mani and Judith M. Braganca	Cadmium resistance in extremely halophilic archaeon Haloferax strain BBK2	Chemosphere Elsevier. Science Direct. 112:385-392	International	2014
43	Jadalannagari, Sushma, Ketaki Deshmukh, Anita Kamra Verma, Richa Vohra Meenal Kowshik, and Sutapa Roy Ramanan	Lanthanum-Doped Hydroxyapatite Nanoparticles as Biocompatible Fluorescent Probes for Cellular Internalization and Biolabeling	Science of Advanced Materials No 2: 312-319	International	2014

44	Rajesh Pasumarthi, Vikash Kumar, Sivaraman Chandrasekharan, Anasuya Ganguly, Mainak Banerjee and Srikanth Mutnuri	Biodegradation of Aliphatic hydrocarbons in the presence of HydroxyCucurbit[6]uril	Marine Pollution Bulletin 09/2014; 88(1-2).	International	2014
45	Naik, Kshipra, and Meenal Kowshik	Anti-biofilm efficacy of low temperature processed AgCl–TiO ₂ nanocomposite coating	Materials Science and Engineering34: 62-68	International	2014
46	Naik, Kshipra, and Meenal Kowshik	Anti-quorum sensing activity of AgCl-TiO ₂ nanoparticles with potential use as active food packaging material	Journal of applied microbiology 4:972-983	International	2014
47	Dhole K, Singh G, Pai PP, Mondal S	Sequence-based prediction of protein-protein interaction sites with L1-logreg classifier	J Theor Biol. 348:47-54.	International	2014
48	Mondal S, Pai PP	Chou's pseudo amino acid composition improves sequence-based antifreeze protein prediction.	J Theor Biol. 356:30-35.	International	2014
49	Vikash Kumar, Amrita Chatterjee, Nupur Kumar, Anasuya Ganguly, Indranil Chakraborty and Mainak Banerjee;	D-Glucose Derived Novel Gemini Surfactants: Synthesis and Study of Their Surface Properties, Interaction with DNA, and Cytotoxicity	Carbohydrate Research Final version published online: 6-SEP-2014, Carbohydrate Research 10/2014; 397	International	2014

50	Subhenjit Hazra, Shruti Balaji, Mainak Banerjee, Anasuya Ganguly, NarendraNath Ghosh and Amrita Chatterjee	A PEGylated-Rhodamine based sensor for "turn-on" fluorimetric and colorimetric detection of Hg ²⁺ ions in aqueous media	Anal. Methods, DOI: 10.1039/C4AY00265B	International	2014
51	Chamarthi, S.K. Kumar, K. Gunnaiah, R. Kushalappa, A.C. Dion, Y. and Choo, T.M.	Identification of Fusarium head blight resistance related metabolites specific to doubled-haploid lines in barley	European Journal of Plant Pathology 138:67-78	International	2014
52	Vidhya Prabhudessai, Bhakti Salgaonkar, Judith Braganca and Srikanth Mutnuri	Pre-treatment of Cottage Cheese to Enhance Biogas production	BioMed Research International: doi: 10.1155/2014/374562	International	2014
53	Banerjee A Meenakumari Kaustab and Krishna A.	Testicular glucose and its transporter GLUT 8 as a marker of Age-dependent variation and its role in steroidogenesis in mice.	J Exp Zool. 321(9):490-502	International	2014
54	Ramya R, A Chalsani, Ram Lal and Utpal Roy	A Broad-Spectrum Antimicrobial Activity of B. subtilis RLID 12	The Scientific World Journal 2014: 968487 doi: 10.1155/2014/968487	International	2014
55	Kabilan M, ChandrashekarSivaraman, Bhakti Salgaonkar, Srikanth Mutnuri and Judith M. Braganca	Comparison of bacterial diversity from solar salterns and a simulated laboratory study	Ann Microbiol. DOI 10.1007/s13213-014-0944-6	International	2014

56	Meghanth Prabhu and Srikanth Mutnuri	Cow urine as a potential source for struvite production	International Journal of recycling of organic waste in agriculture. DOI 10.1007/s40093-014-0049-z	International	2014
57	Srivastava, Pallavee, Judith M. Braganca, and MeenalKowshik	In vivo synthesis of selenium nanoparticles by Halococcussalifodinae BK18 and their anti-proliferative properties against HeLa cell line	Biotechnology Progress: doi: 10.1002/btpr.1992.	International	2014
58	Arunkarthick, S., M. M. Bijeesh, Geetha K. Varier, MeenalKowshik, and P. Nandakumar	Laser scanning photothermal microscopy: fast detection and imaging of gold nanoparticles	Journal of microscopy DOI: 10.1111/jmi.12164	International	2014
59	Naik, Kshipra, Amrita Chatterjee, Halan Prakash, and Meenal Kowshik	Mesoporous TiO ₂ Nanoparticles Containing Ag Ion with Excellent Antimicrobial Activity at Remarkable Low Silver Concentrations	Journal of biomedical nanotechnology No.4 : 9(4):664-73.	International	2013
60	Desai, Vilas, Bhanudas Naik, NarendraNath Ghosh, and Meenal Kowshik	Functionalization of AgCl/TitaniaNanocomposite with Folic Acid: A Promising Strategy for Enhancement of Antimicrobial Activity.	Science of Advanced Materials No. 5: 431-439	International	2013

61	Rajesh Pasumarthi, Sivaraman Chandrasekharan, Srikanth Mutnuri	Biodegradation of crude oil by <i>Pseudomonas aeruginosa</i> and <i>Escherichia fergusonii</i> isolated from Goan coast	Marine Pollution Bulletin: doi: 10.1016/j	International	2013
62	Kumar, K. Kumar, M. Kim, S.R. Ryu, H. and Cho Y.G.	Insights into genomics of salt stress response in rice	Rice 6:27	International	2013
63	B. B. Salgaonkar, K. Mani and Judith M. Braganca	Characterization of polyhydroxyalkanoates accumulated by a moderately halophilic salt pan isolate <i>Bacillus megaterium</i> strain H16	Journal of Applied Microbiology. 114, 1347—1356	International	2013
64	Chandrasekhar Chanda, Angshuman Sarkar, Srinivas Sistla, Dibakar Chakrabarty	Anti-Platelet Activity Of A Three-Finger Toxin (3ftx) From Indian Monocled Cobra (<i>Naja Kaouthia</i>) Venom	Biochemical and biophysical research communication Nov 22; 441 (3):550-4	International	2013
65	Srivastava, Pallavee, Judith Bragança, Sutapa Roy Ramanan, and Meenal Kowshik	Synthesis of silver nanoparticles using haloarchaeal isolate <i>Halococcus salifodinae</i> BK3	Extremophiles No 5: 821-831	International	2013
66	B. B. Salgaonkar, K. Mani and Judith M. Braganca	Accumulation of polyhydroxyalkanoates by halophilic archaea isolated from traditional solar salterns of India	Extremophiles. 17:787-795	International	2013

67	P. Srivastava, Judith M. Braganca, S. Roy Ramanan and MeenalKowshik	Synthesis of silver nanoparticles using haloarchaeal isolate Halococcussalifodinae BK3	Extremophiles. DOI 10.1007/s00792-013-0563-3	International	2013
68	Srivastava, Pallavee, and MeenalKowshik	Mechanisms of metal resistance and homeostasis in haloarchaea	Archaea : Volume 2013 (2013), Article ID 732864, 16 pages	International	2013
69	Santimano, Maria Celisa, and MeenalKowshik	Altered growth and enzyme expression profile of ZnO nanoparticles exposed non-target environmentally beneficial bacteria	Environmental monitoring and assessment No 9: 7205-7214	International	2013
70	Purnima Singh, Masaharu Tsuji, Shiv Mohan Singh, Utpal Roy, Tamotsu Hoshino	Taxonomic characterization, adaptation strategies and biotechnological potential of cryophilic yeasts from ice cores of MidreLovénbreen glacier, Svalbard, Arctic.	Cryobiology:66(2):167-75	International	2013
71	Desai, Vilas, and MeenalKowshik	Synthesis and Characterization of Fumaric Acid Functionalized AgCl/TitaniaNanocomposite with Enhanced Antibacterial Activity	Journal of nanoscience and nanotechnology No. 4: 2826-2834	International	2013

72	Celisa Santimano, Maria, Ansie Martin, Meenal Kowshik, and Angshuman Sarkar	Zinc Oxide Nanoparticles Cause Morphological Changes in Human A549 Cell Line Through Alteration in the Expression Pattern of Small GTPases at mRNA Level.	Journal of Bionanoscience No 3: 300-306	International	2013
73	P.Arulazhagan, I.T. Yeom, Sivaraman C, SrikanthMutnuri and Rajesh Banu	Role of additional carbon substrate on biodegradation of 1,4 dioxane using bacterial consortium enriched from industrial sludge	Advances in Environmental Biology : 7(9): 2081 -2090	International	2013
74	Judith M. Braganca and I. Furtado	Resistance of Halobacterium strain R1 to cadmium during growth in mineral salts medium devoid of growth factors	Asian Jr of Microbiol. Biotech. Env. Sc. 15(2): 299-302	International	2013
75	Geethanjali Ravindran, DibarkarChakrabarty, AngsumanSarkar	Cadmium toxicity alters mRNA expression of Rho-like genes in A549 cell lines	Journal of Cell and Molecular Biology. 11(1&2):13-20	International	2013
76	Yogesh D. Walwalkar, Rajni Gaind and Vijayashree Nayak	Study on Salmonella typhi occurrence in gall bladder of patients suffering from chronic cholelithiasis- a predisposing factor for carcinoma of gall bladder	Diagnostic Microbiology and Infectious Disease;2013,77,1, 69–73	International	2013

77	Archana Sharma, SumritaBhat, TanusreeVishnoi, VijayashreeNayak and Ashok Kumar	Three dimensional supermacroporous carrageenan-gelatin cryogel matrix for tissue engineering applications	Biomed Research International: Volume 2013 (2013), Article ID 478279, 15 pages	International	2013
78	Raeesheekh and Utpal Roy	Biochemical characterization of a promising anti-Candida factor produced by Enterococcus faecalis	BMC Microbiology 12:132-147	International	2012
79	Kumar, N., Ponnaluri, C.V.K., Putarjunan, A., Ranganathan, S., Roy Utpal., Das A.	Characterization of temperature inducible promoters from a novel rolling circle replicating plasmid of Enterococcus faecium DJ1	PLASMID 67(3):211-26	International	2012
80	Manjuri K. Koley, Seshadri C. Sivasubramanian, SumitBiswas, Periakaruppan T. Manoharan & Aditya P. Koley	Dioxygen binding and activation by a highly reactive cr(ii) compound containing s,n-donors derived fromo-aminothiophenol	Journal of coord chem. 2012; 65(19): 3329-3351	International	2012
81	P. Singh, Lisette D' Souza L, Utpal Roy and S M Singh	Chemical constituents & antioxidant activity of Arctic Mushroom Lycoperdonmolle	Polar Research:DOI: 10.3402/polar.v31i0.1732 9	International	2012

82	R. K. Sinha, K.P.Krishnan And A Sarkar,	Heat shock response as a cue for phenotypic variability: a study from the psychrotrophic and mesophilic strains of Cellulosimicrobiumcellulans	Annals of microbiology, (doi 10.1007/s13213-011-0411-6)	International	2012
83	B. B. Salgaonkar, K. Mani, A. Nair, S. Gangadharan and Judith M. Braganca	Interspecific Interactions Among Members of Family Halobacteriaceae from Natural Solar Salterns	Probiotics &Antimicro. Prot. DOI: 10.1007/s12602-012-9097-8	International	2012
84	C.Sivaraman, AnasuyaGanguly and SrikanthMutnuri	Role of cyclodextringlucanotransferase enzyme in biodegradation	Advances in Environmental Research, Vol. 1, No. 2 pp97-108.	International	2012
85	Kabilan M, Bhakti Salgaonkar, Deepthi Das and Judith M. Braganca	Community solar salt production in Goa, India	BMC Aquatic Biosystems. 8:30	International	2012
86	Kabilan M, Bhakti Salgaonkar and Judith M. Braganca	Culturable halophilicarchaea at the initial and crystallization stages of salt production in a natural solar saltern of Goa, India	BMC Aquatic Biosystems. 8:15	International	2012