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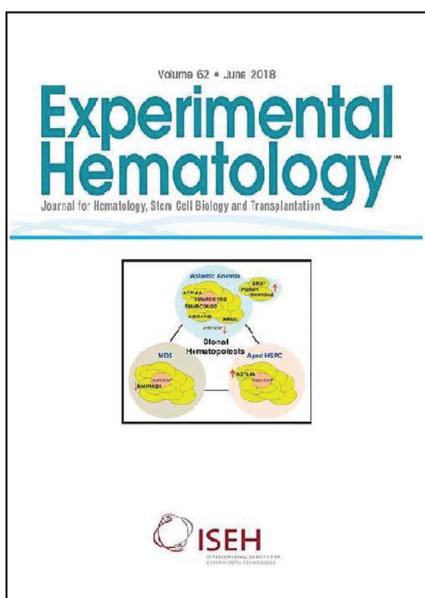
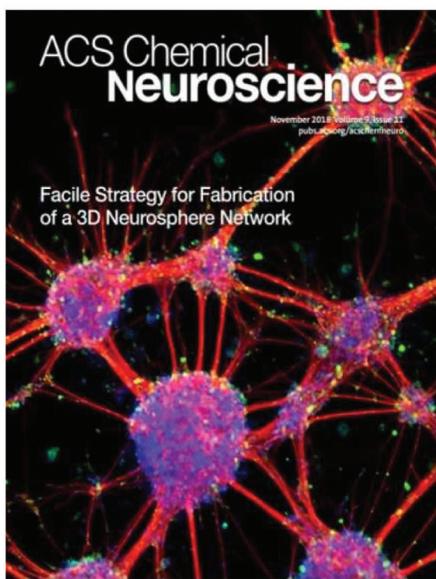
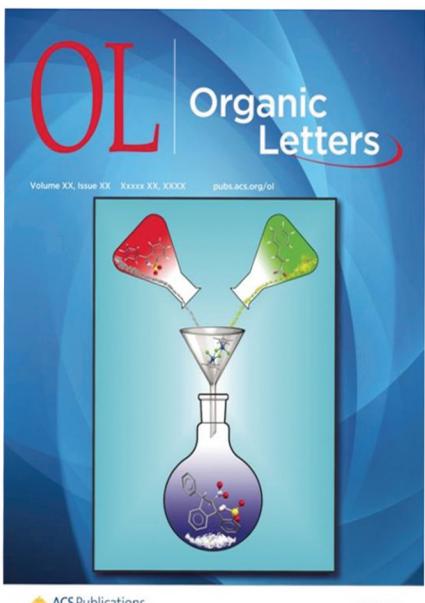
List of Publications 2018



सी.एस.आइ.आर - भारतीय रासायनिक जीवविज्ञान संस्थान
CSIR - INDIAN INSTITUTE OF CHEMICAL BIOLOGY

4, राजा एस सी मल्लिक रोड / Raja S C Mullick Road, कलकत्ता / Kolkata - 700 032
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Cover Page Articles - 2018



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No.	Publications 2018
1.	Bhunia, D., Mondal, P., Das, G., Saha, A., Sengupta, P., Jana, J., Mohapatra, S., Chatterjee, S., Ghosh, S. (2018) Spatial position regulates power of tryptophan : Discovery of a major-groove-specific nuclear-localizing, cell-penetrating tetrapeptide. <i>Journal of the American Chemical Society</i> , 140, 1697-1714. IF* : 14.357
2.	Ganguly, D. (2018) Do type I interferons link systemic autoimmunities and metabolic syndrome in a pathogenetic continuum? <i>Trends in Immunology</i> , 39, 28-43. IF : 14.188
3.	Sengupta, P., Banerjee, N., Roychowdhury, T., Dutta, A., Chattopadhyay, S., Chatterjee, S. (2018) Site-specific amino acid substitution in dodecameric peptides determines the stability and unfolding of c-MYC quadruplex promoting apoptosis in cancer cells. <i>Nucleic Acids Research</i> , 46, 9932-9950. IF : 11.561
4.	Dey, S., Biswas, C., Sengupta, J. (2018) The universally conserved GTPase HflX is an RNA helicase that restores heat-damaged <i>Escherichia coli</i> ribosomes. <i>Journal of Cell Biology</i> , 217, 2519-2529. IF : 8.784
5.	Behera, S., Xu, Z., Luoni, L., Bonza, M. C., Docula, F. G., De Michelis, M. I., Morris, R. J., Schwarzlander, M., Costa, A. (2018) Cellular Ca ²⁺ signals generate defined pH signatures in plants. <i>The Plant Cell</i> , 30, 2704-2719. IF : 8.228
6.	Ghosh, K., Tang, M., Kumari, N., Nandy, A., Basu, S., Mall, D. P., Rai, K., Biswas D. (2018) Positive regulation of transcription by Human ZMYND8 through its association with P-TEFb complex, <i>Cell Reports</i> , 24, 2141-2154, e6. IF : 8.032
7.	Bhattacharya, S., Mondal, L., Mukherjee, B., Dutta, L., Ehsan, I., Debnath, M. C., Gaonkar, R. H., Pal, M. M., Majumdar, S. (2018) Apigenin loaded nanoparticle delayed development of hepatocellular carcinoma in rats. <i>Nanomedicine: Nanotechnology, Biology and Medicine</i> , 14, 1905-1917. IF : 6.500
8.	Das, S., Bairy, G., Jana, R. (2018) Ligand-promoted γ -C(sp ³)-H arylation and unsymmetrical diarylation to access unnatural amino acid derivatives. <i>Organic Letters</i> , 20, 2667-2671. IF : 6.492

No.	Publications 2018
9.	Bairy, G., Das, S., Begam, H.M., Jana, R. (2018) Exceedingly fast, direct access to dihydroisoquinolino[1,2- <i>b</i>]quinazolinones through a ruthenium(II)-catalyzed redox-neutral C–H allylation/hydroamination cascade. <i>Organic Letters</i> , 20, 7107–7112. IF : 6.492
10.	Roy, K., Mazumder, A., Ghosh, P., Naiya, G., Ghosh, B., Roy, S. (2018) A peptide-based synthetic transcription factor selectively activates transcription in a mammalian cell. <i>Chemical Communications</i> , 54, 1611-1614. IF : 6.290
11.	Bhunia, D., Pradhan, K., Das, G., Ghosh, S., Mondal, P., Ghosh, S. (2018) Matrix metalloproteinase targeted peptide vesicles for delivering anticancer drugs. <i>Chemical Communications</i> , 54, 9309-9312. IF : 6.290
12.	Das, S. K., Mishra, S., Manna, K., Kayal, U., Mahapatra, S., Das Saha, K., Dalapati, S., Das, G. P., Mostafa, A. A., Bhaumik, A. (2018) A new triazine based π -conjugated mesoporous 2D covalent organic framework: its <i>in vitro</i> anticancer activities. <i>Chemical Communications</i> , 54, 11475-11478. IF : 6.290
13.	Ramalingam, B. M., Moorthy, N. D., Roy Chowdhury, S., Mageshwaran, T., Vellaichamy, E., Saha, S., Ganesan, K., Rajesh, B. N., Iqbal, S., Majumder, H. K., Gunasekaran, K., Siva, R., Mohanakrishnan, A. K. (2018) Synthesis and biological evaluation of Calothrixins B and their deoxygenated analogues. <i>Journal of Medicinal Chemistry</i> , 61, 1285-1315. IF : 6.253
14.	Das, P. P., Pramanik, S., Chatterjee, S., Roy, A., Saha, A., Devi, P. S., Suresh Kumar, G. (2018) Multiband fluorescent graphitic carbon nanoparticles from queen of oils. <i>ACS Sustainable Chemistry & Engineering</i> , 6, 10127-10139. IF : 6.140
15.	Chatterjee, K., Jana, S., Choudhary, P., Swarnakar, S. (2018) Triumph and tumult of matrix metalloproteinases and their crosstalk with eicosanoids in cancer. <i>Cancer and Metastasis Reviews</i> , 37, 279-288. IF : 6.081
16.	De, M., Ghosh, S., Sen, T., Shadab, M., Banerjee, I., Basu, S., Ali, N. (2018) A novel therapeutic strategy for cancer using phosphatidylserine targeting stearylamine-bearing cationic liposomes. <i>Molecular Therapy-Nucleic Acids</i> , 10, 9-27. IF : 5.660

No.	Publications 2018
17.	Nath, S., Mandal, C., Chatterjee, U., Mandal, C. (2018) Association of cytosolic sialidase Neu2 with plasma membrane enhances Fas-mediated apoptosis by impairing PI3K-Akt/mTOR-mediated pathway in pancreatic cancer cells. <i>Cell Death & Disease</i> , 9, Article No. 210. IF : 5.638
18.	Satyavarapu, E. M., Das, R., Mandal, C., Mukhopadhyay, A., Mandal, C. (2018) Autophagy-independent induction of LC3B through oxidative stress reveals its non-canonical role in anoikis of ovarian cancer cells. <i>Cell Death & Disease</i> , 9, Article No. 934. IF : 5.638
19.	Patranabis, S., Bhattacharyya, S. N. (2018) P-body-induced inactivation of let-7a miRNP prevents the death of growth factor-deprived neuronal cells. <i>FASEB Journal</i> , 32, 1493-1509. IF : 5.595
20.	Chatterjee, K., Jana, S., DasMahapatra, P., Swarnakar, S. (2018) EGFR-mediated matrix metalloproteinase-7 up-regulation promotes epithelial-mesenchymal transition via ERK1-AP1 axis during ovarian endometriosis progression. <i>FASEB Journal</i> , 32, 4560-4572. IF : 5.595
21.	Adak, M., Das, D., Niyogi, S., Nagalakshmi, C., Ray, D., Chakrabarti, P. (2018) Inflammasome activation in Kupffer cells confers a protective response in nonalcoholic steatohepatitis through pigment epithelium-derived factor expression. <i>FASEB Journal</i> , 32, 6510-6524. IF : 5.595
22.	Sabur, A., Bhowmick, S., Chhajer, R., Ejazi, S. A., Didwania, N., Asad, M., Bhattacharyya, A., Sinha, U., Ali, N. (2018) Liposomal elongation factor-1 α triggers effector CD4 and CD8 T cells for induction of long-lasting protective immunity against visceral leishmaniasis. <i>Frontiers in Immunology</i> , 9, Article 18. IF : 5.551
23.	Jati, S., Kundu, S., Chakraborty, A., Mahata, S. K., Nizet, V., Sen, M. (2018) Wnt5A signaling promotes defense against bacterial pathogens by activating a host autophagy circuit. <i>Frontiers in Immunology</i> , 9, Article 679. IF : 5.551
24.	Kar, D., Bandyopadhyay, A. (2018) Targeting peroxisome proliferator activated receptor α (PPAR α) for the prevention of mitochondrial impairment and hypertrophy in cardiomyocytes. <i>Cellular Physiology and Biochemistry</i> , 49, 245-259. IF : 5.550

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25.	Sarkar-Banerjee, S., Chowdhury, S., Sanyal, D., Mitra, T., Roy, S. S., Chattopadhyay, K. (2018) The role of intestinal fatty acid binding proteins in protecting cells from fatty acid induced impairment of mitochondrial dynamics and apoptosis. <i>Cellular Physiology and Biochemistry</i> , 51, 1658-1678. IF : 5.550
26.	Kumar, D., Chattopadhyay, S. (2018) Glutathione modulates the expression of heat shock proteins via the transcription factors BZIP10 and MYB21 in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 69, 3729-3743. IF : 5.354
27.	Ayyub, S. A., Dobriyal, D., Shah, R. A, Lahry, K., Bhattacharyya, M., Bhattacharyya, S., Chakrabarti, S., Varshney, U. (2018) Coevolution of the translational machinery optimizes initiation with unusual initiator tRNAs and initiation codons in mycoplasmas. <i>RNA Biology</i> , 15, 70-80. IF : 5.216
28.	Maity, S., Parshi, N., Prodhan, C., Chaudhuri, K., Ganguly, J. (2018) Characterization of a fluorescent hydrogel synthesized using chitosan, polyvinyl alcohol and 9-anthrinaldehyde for the selective detection and discrimination of trace Fe ³⁺ and Fe ²⁺ in water for live-cell imaging. <i>Carbohydrate Polymers</i> , 193, 119-128. IF : 5.158
29.	Vats, T. K., Mishra, A., Deb, I. (2018) Rhodium-catalyzed direct and selective ortho C-H chalcogenation of N-(Hetero)aryl-7-azaindoles. <i>Advanced Synthesis & Catalysis</i> , 360, 2291-2296. IF : 5.123
30.	Sarkar, W., Bhowmik, A., Mishra, A., Vats, T. K., Deb, I. (2018) Cobalt-catalyzed directed <i>sp</i> ² C-H acetoxylation of arenes employing Mn(OAc) ₃ .2H ₂ O as acetoxy source. <i>Advanced Synthesis & Catalysis</i> , 360, 3228-3232. IF : 5.123
31.	Polley, A., Bairy, G., Das, P., Jana, R. (2018) Triple mode of alkylation with ethyl bromodifluoroacetate: <i>N</i> , or <i>O</i> -difluoromethylation, <i>N</i> -Ethylation and <i>S</i> -(ethoxycarbonyl)difluoromethylation. <i>Advanced Synthesis & Catalysis</i> , 360, 4161-4167. IF : 5.123
32.	Khan, M. W., Layden, B. T., Chakrabarti, P. (2018) Inhibition of mTOR complexes protects cancer cells from glutamine starvation induced cell death by restoring Akt stability. <i>Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease</i> , 1864, 2040-2052. IF : 5.108

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33.	Dutta, D., Ali, N., Banerjee, E., Singh, R., Naskar, A., Paidi, R. K., Mohanakumar, K.P. (2018) Low levels of prohibitin in substantia nigra makes dopaminergic neurons vulnerable in Parkinson's disease. <i>Molecular Neurobiology</i> , 55, 804-821. IF : 5.076
34.	Bhagat, P. N., Jadhav, S. H., Chattopadhyay, S., Paknikar, K. M. (2018) Carbon nanospheres mediated nuclear delivery of SMAR1 protein (DNA binding domain) controls breast tumor in mice model. <i>Nanomedicine</i> (London), 13, 353-372. IF : 5.005
35.	Paul, P., Sengupta, S., Mukherjee, B., Shaw, T. K., Gaonkar, R. H., Debnath, M. C. (2018) Chitosan-coated nanoparticles enhanced lung pharmacokinetic profile of voriconazole upon pulmonary delivery in mice. <i>Nanomedicine</i> (London), 13, 501-520. IF : 5.005
36.	Sengupta, S., Paul, P., Mukherjee, B., Gaonkar, R. H., Debnath, M. C., Chakraborty, R., Khatun, N., Roy, S. (2018) Peripheral nerve targeting by procaine-conjugated ribavirin-loaded dual drug nanovesicle. <i>Nanomedicine</i> (London), 13, 3009-3023. IF : 5.005
37.	Paul, B., Rahaman, O., Roy, S., Pal, S., Satish, S., Mukherjee, A., Ghosh, A. R., Raychaudhuri, D., Bhattacharya, R., Goon, S., Ganguly, D., Talukdar, A. (2018) Activity-guided development of potent and selective toll-like receptor 9 antagonists. <i>European Journal of Medicinal Chemistry</i> , 159, 187-205. IF : 4.816
38.	Maity, R., Naskar, S., Das, I. (2018) Copper(II)-catalyzed reactions of α -Keto thioesters with azides via C-C and C-S bond cleavages: Synthesis of <i>N</i> -acylureas and amides. <i>The Journal of Organic Chemistry</i> , 83, 2114-2124. IF : 4.805
39.	Mishra, A., Mukherjee, U., Vats, T. K., Deb, I. (2018) Ir(III)/MPAA-catalyzed mild and selective C-H amidation of <i>N</i> -sulfonyl ketimines: Access to benzosultam-fused quinazolines/quinazolinones. <i>The Journal of Organic Chemistry</i> , 83, 3756-3767. IF : 4.805
40.	Manna, M. K., Bairy, G., Jana, R. (2018) Sterically controlled Ru(II)-catalyzed divergent synthesis of 2-methylindoles and indolines through a C-H allylation/cyclization cascade. <i>The Journal of Organic Chemistry</i> , 83, 8390-8400. IF : 4.805

No.	Publications 2018
41.	Santhiya, K., Sen, S. K., Natarajan, R., Shankar, R., Murugesapandian, B. (2018) D-A-D structured bis-acylhydrazone exhibiting aggregation-induced emission, mechanochromic luminescence, and Al(III) detection. <i>The Journal of Organic Chemistry</i> , 83, 10770-10775. IF : 4.805
42.	Banerji, B., Chatterjee, S., Chandrasekhar, K., Ghosh, S., Mukherjee, K., Mandal, C. (2018) Detection of lysosome by a fluorescent heterocycle: Development of fused pyrido-imidazo-indole framework via Cu-catalyzed tandem N-arylation. <i>The Journal of Organic Chemistry</i> , 83, 13011–13018. IF : 4.805
43.	Mukherjee, S., Ganguly, S., Manna, K., Mondal, S., Mahapatra, S., Das, D. (2018) Green approach to synthesize crystalline nanoscale Zn ^{II} coordination polymers: Cell growth inhibition and immunofluorescence study. <i>Inorganic Chemistry</i> , 57, 4050-4060. IF : 4.700
44.	Arunachalam, R., Chinnaraja, E., Valkonen, A., Rissanen, K., Sen, S. K., Natarajan, R., Subramanian, P. S. (2018) Enantiomeric resolution of asymmetric-carbon-free binuclear double-stranded cobalt(III) helicates and their application as catalysts in asymmetric reactions. <i>Inorganic Chemistry</i> , 57, 11414-11421. IF : 4.700
45.	Bhattacharjee, P., De, D., Bhattacharyya, D. (2018) Degradation of fibrin-β amyloid co-aggregate: A novel function attributed to ubiquitin. <i>Biochimica et Biophysica Acta (BBA) - Molecular Cell Research</i> , 1865, 1465-1478. IF : 4.651
46.	Chatterjee, S. S., Biswas, M., Boila, L. D., Banerjee, D., Sengupta, A. (2018) SMARCB1 deficiency integrates epigenetic signals to oncogenic gene expression program maintenance in Human acute myeloid leukemia. <i>Molecular Cancer Research</i> , 16, 791-804. IF : 4.597
47.	Ghosh, B., Boila, L. D., Choudhury, S., Mondal, P., Bhattacharjee, S., Pal, S. K., Sengupta, A., Roy, S. (2018) A potent conformation-constrained synthetic peptide mimic of a homeodomain selectively regulates target genes in cells. <i>ACS Chemical Biology</i> , 13, 2003-2009. IF : 4.592
48.	Liu, C. S. C., Raychaudhuri, D., Paul, B., Chakrabarty, Y., Ghosh, A. R., Rahaman, O., Talukdar, A., Ganguly, D. (2018) Cutting edge: Piezo1 mechanosensors optimize human T Cell activation. <i>Journal of Immunology</i> , 200, 1255-1260. IF : 4.539

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49.	Ray, U., Roy, S. S. (2018) Aberrant lipid metabolism in cancer cells - the role of oncolipid-activated signaling. <i>FEBS Journal</i> , 285, 432-443. IF : 4.530
50.	Jain, M.R., Giri, S.R., Bhoi, B., Trivedi, C., Rath, A., Rathod, R., Ranvir, R., Kadam, S., Patel, H., Swain, P., Roy, S.S., Das, N., Karmakar, E., Wahli, W., Patel, P.R. (2018) Dual PPAR α/γ agonist saroglitazar improves liver histopathology and biochemistry in experimental NASH models. <i>Liver International</i> , 38, 1084-1094. IF : 4.500
51.	Paul, P., Chatterjee, S., Pramanik, A., Karmakar, P., Bhattacharyya, S. C., Suresh Kumar, G. (2018) Thionine conjugated gold nanoparticles trigger apoptotic activity toward HepG2 cancer cell line. <i>ACS Biomaterials Science & Engineering</i> , 4, 635-646. IF : 4.432
52.	Chatterjee, D., Bandyopadhyay, A., Sarma, N., Basu, S., Roychowdhury, T., Roy, S. S., Giri, A. K. (2018) Role of microRNAs in senescence and its contribution to peripheral neuropathy in the arsenic exposed population of West Bengal, India. <i>Environmental Pollution</i> , 233, 596-603. IF : 4.358
53.	Chowdhury, K., Kumar, U., Das, S., Chaudhuri, J., Kumar, P., Kanjilal, M., Ghosh, P., Sircar, G., Basyal, R. K., Kanga, U., Bandyopadhyaya, S., Mitra, D. K. (2018) Synovial IL-9 facilitates neutrophil survival, function and differentiation of Th17 cells in rheumatoid arthritis. <i>Arthritis Research & Therapy</i> , 20, 18. IF : 4.269
54.	Mondal, P., Das, G., Khan, J., Pradhan, K., Ghosh, S. (2018) Crafting of neuroprotective octapeptide from taxol-binding pocket of α -tubulin. <i>ACS Chemical Neuroscience</i> , 9, 615–625. IF : 4.211
55.	Mondal, P., Gupta, V., Das, G., Pradhan, K., Khan, J., Gharai, P. K., Ghosh, S. (2018) Peptide-based acetylcholinesterase inhibitor crosses the blood-brain barrier and promotes neuroprotection. <i>ACS Chemical Neuroscience</i> , 9, 2838–2848. IF : 4.211
56.	Khan, J., Das, G., Gupta, V., Mohapatra, S., Ghosh, S., Ghosh, S (2018) Neurosphere development from hippocampal and cortical embryonic mixed primary neuron culture: A potential platform for screening neurochemical modulator. <i>ACS Chemical Neuroscience</i> , 9, 2870–2878. IF : 4.211

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57.	Pradhan, K., Das, G., Mondal, P., Khan, J., Barman, S., Ghosh, S. (2018) Genesis of neuroprotective peptoid from A β 30-34 inhibits A β aggregation and AChE activity. <i>ACS Chemical Neuroscience</i> , 9, 2929-2940. IF : 4.211
58.	Panda, A., Sen, D., Ghosh, A., Gupta, A., Mathu Malar, C., Mishra, G. P., Singh, D., Ye, W., Tyler, B. M., Tripathy, S. (2018) EumicrobeDBLite: a lightweight genomic resource and analytic platform for draft oomycete genomes. <i>Molecular Plant Pathology</i> , 19, 227-237. IF : 4.188
59.	Bhattacharya, S. S., Mandal, C., Albiez, R. S., Samanta, S. K., Mandal, C. (2018) Mahanine drives pancreatic adenocarcinoma cells into endoplasmic reticular stress-mediated apoptosis through modulating sialylation process and Ca $^{2+}$ - signaling. <i>Scientific Reports</i> , 8, Article No. 3911. IF : 4.122
60.	Dey, T., Saville, A., Myers, K., Tewari, S., Cooke, D. E. L., Tripathy, S., Fry, W. E., Ristaino, J. B., and Guha Roy, S. (2018) Large sub-clonal variation in <i>Phytophthora infestans</i> from recent severe late blight epidemics in India. <i>Scientific Reports</i> , 8, Article No. 4429. IF : 4.122
61.	Ghosh, S., Kundu, A., Chattopadhyay, K. (2018) Small molecules attenuate the interplay between conformational fluctuations, early oligomerization and amyloidosis of alpha synuclein. <i>Scientific Reports</i> , 8, Article No. 5481. IF : 4.122
62.	Chakraborty, S., Islam, S., Saha, S., Ain, R (2018) Dexamethasone-induced intra-uterine growth restriction impacts NOSTRIN and its downstream effector genes in the rat mesometrial uterus. <i>Scientific Reports</i> , 8, Article No. 8342. IF : 4.122
63.	Roy Chowdhury, S., Godinho, J. L. P., Vinayagam, J., Zuma, A. A., De Macedo Silva, S. T., Jaisankar, P., Rodrigues, J. C. F., De Souza, W., Majumder, H. K. (2018) Isobenzofuranone derivative JVPH3, an inhibitor of <i>L. donovani</i> topoisomerase II, disrupts mitochondrial architecture in trypanosomatid parasites. <i>Scientific Reports</i> , 8, Article No. 11940. IF : 4.122
64.	Ejazi, S. A., Bhattacharyya, A., Choudhury, S. T., Ghosh, S., Sabur, A., Pandey, K., Das, V. N. R., Das, P., Rahaman, M., Goswami, R. P., Ali, N. (2018) Immunoproteomic identification and characterization of <i>Leishmania</i> membrane proteins as non-invasive diagnostic candidates for clinical visceral leishmaniasis. <i>Scientific Reports</i> , 8, Article No. 12110. IF : 4.122

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65.	Dutta, S., Das, J. K., Maganti, L., Bhattacharyya, M., Bhattacharyya, D., Mukherjee, S., Sengupta, K. (2018) Skeletal muscle dystrophy mutant of lamin A alters the structure and dynamics of the Ig fold domain. <i>Scientific Reports</i> , 8, Article No. 13793. IF : 4.122
66.	Sinha, R., Mathu Malar, C., Raghwan., Das, S., Shadab, M., Chowdhury, R., Tripathy, S., Ali, N. (2018) Genome plasticity in cultured <i>Leishmania donovani</i> : Comparison of early and late passages. <i>Frontiers in Microbiology</i> , 9, Article 1279. IF : 4.019
67.	Chaudhari, N. M., Gautam, A., Gupta, V. K., Kaur, G., Dutta, C., Paul, S. (2018) PanGFR-HM: A dynamic web resource for pan-genomic and functional profiling of Human microbiome with comparative features. <i>Frontiers in Microbiology</i> , 9, Article 2322. IF : 4.019
68.	De, R., Sarkar, S., Mazumder, S., Debsharma, S., Siddiqui, A. A., Saha, S. J., Banerjee, C., Nag, S., Saha, D., Pramanik, S., Bandyopadhyay, U. (2018) Macrophage migration inhibitory factor regulates mitochondrial dynamics and cell growth of human cancer cell lines through CD74-NF- κ B signaling. <i>Journal of Biological Chemistry</i> , 293, 19740-19760. IF : 4.010
69.	Vetukuri, R. R., Tripathy, S., Malar, C. M., Panda, A., Kushwaha, S. K., Chawade, A., Andreasson, E., Grenville-Briggs, L. J., Whisson, S. C. (2018) Draft genome sequence for the tree pathogen <i>Phytophthora plurivora</i> . <i>Genome Biology and Evolution</i> , 10, 2432-2442. IF : 3.940
70.	Ghosh, P., Bhoumik, A., Saha, S., Mukherjee, S., Azmi, S., Ghosh, J. K., Dungdung, S. R. (2018) Spermicidal efficacy of VRP, a synthetic cationic antimicrobial peptide, inducing apoptosis and membrane disruption. <i>Journal of Cellular Physiology</i> , 233, 1041-1050. IF : 3.923
71.	Ghosh, P., Mukherjee, S., Bhoumik, A., Dungdung, S. R. (2018) A novel epididymal quiescence factor inhibits sperm motility by modulating NOS activity and intracellular NO-cGMP pathway. <i>Journal of Cellular Physiology</i> , 233, 4345-4359. IF : 3.923
72.	Basu, A., Bhattacharya, S. C., Suresh Kumar, G. (2018) Influence of the ionic liquid 1-butyl-3-methylimidazolium bromide on amyloid fibrillogenesis in lysozyme: Evidence from photophysical and imaging studies. <i>International Journal of Biological Macromolecules</i> , 107, 2643-2649. IF : 3.909

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73.	Bhoumik, A., Saha, S., Payghan, P. V., Ghosh, P., Dungdung, S. R. (2018) Localization of MIF :-II on mammalian spermatozoa: A study revealing its structure, function and motility inhibitory pathway. <i>International Journal of Biological Macromolecules</i> , 116, 633-647. IF : 3.909
74.	Mukherjee, A., Banerjee, S., Gachhui, R. (2018) Investigation of conformational changes of levansucrase isolated from <i>Acetobacter nitrogenifigens</i> strain RG1 by mercuric and cadmium ion. <i>International Journal of Biological Macromolecules</i> , 120, 189-194. IF : 3.909
75.	Das, G., Chattoraj, S., Nandi, S., Mondal, P., Saha, A., Bhattacharyya, K., Ghosh, S. (2018) Probing the conformational dynamics of photosystem I in unconfined and confined spaces. <i>Physical Chemistry Chemical Physics</i> , 20, 449-455. IF : 3.906
76.	Roy, N. S., Debnath, S., Chakraborty, A., Chakraborty, P., Bera, I., Ghosh, R., Ghoshal, N., Chakrabarti, S., Roy, S. (2018) Enhanced basepair dynamics pre-disposes protein-assisted flips of key bases in DNA strand separation during transcription initiation. <i>Physical Chemistry Chemical Physics</i> , 20, 9449-9459. IF : 3.906
77.	Pramanik, S., Chatterjee, S., Suresh Kumar, G., Devi, P.S. (2018) Egg-shell derived carbon dots for base pair selective DNA binding and recognition. <i>Physical Chemistry Chemical Physics</i> , 20, 20476-20488. IF : 3.906
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Books / Book Chapters

1. Molecular Biology of Kinetoplastid Parasites
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2. Sinha., Boila, L.D., Chatterjee, S. S., Sengupta, A. (2018)
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Awards and Recognitions - 2018



Fellowship of the National Academy of Sciences (FNASc)-2018

Dr. Arun Bandyopadhyay
Chief Scientist



Fellowship of the West Bengal Academy of Sciences & Technology (FAScT)-2018

Dr. Chinmay Chowdhury
Senior Principal Scientist



Fellowship of the West Bengal Academy of Sciences & Technology (FAScT)-2018

Dr. Surajit Ghosh
Principal Scientist



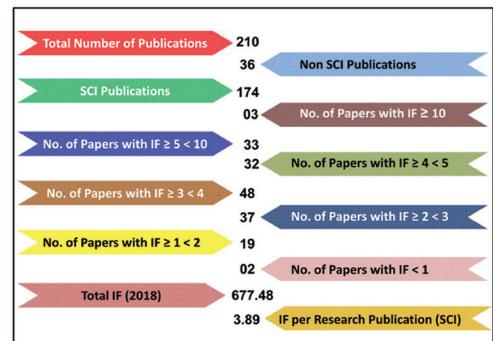
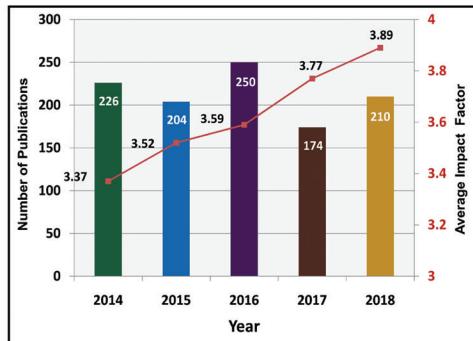
S. Ramachandran-National Bioscience Award for Career Development - 2018

Dr. Dipyaman Ganguly
Senior Scientist

Important Events - 2018



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