

Publication_2018
Website Link : <https://nii.res.in/>

1. Ahsan N, Siddique IA, Gupta S, Surolia A. (2018) A routinely used protein staining dye acts as an inhibitor of wild type and mutant alpha-synuclein aggregation and modulator of wild type and mutant alpha-synuclein aggregation and modulator of neurotoxicity. *Eur J Med Chem.* 143: 1174-1184.
2. Akhter MZ, Sharawat SK, Kumar V, Kochat V, Eqbal Z, Ramakrishnan M, Kumar U, athur S, Kumar L, Mukhopadhyay A
3. (2018) Aggressive serous epithelial ovarian cancer is potentially propagated by EpCAM+CD45+phenotype. *Oncogene.* 37:2089-2103.
4. Alam M, Srivastava A, Dutta A, Sau AK. (2018) Biochemical and biophysical studies of *Helicobacter pylori* arginine decarboxylase, an enzyme important for acid adaptation in host. *IUBMB Life.* 70(7):658-669.
6. Alpana De, Sachdeva R, Bose A, Malik M, Jayachandran N, Pal R (2018) Human Chorionic Gonadotropin Influences Systemic Autoimmune Responses. *Front. Endocrinol.* 9:742.
7. Arimbasseri GA. (2018) Interactions between RNAP III transcription machinery and tRNA processing factors. *Biochim Biophys Acta Gene Regul Mech.* 1861(4):354-360.
8. Arora D, Chawla Y, Malakar B, Singh A, (2018) The transpeptidase PbpA and noncanonical transglycosylase RodA of *Mycobacterium tuberculosis* play important roles in regulating bacterial cell lengths. *J Biol Chem.* 293(17):6497-6516.
9. Arya R, Sharma B, Dhembala C, Pal RK, Patel AK, Sundd M, Ghosh B, Makde RD, Kundu S. (2018) A conformational switch from a closed apo- to an open holo-form equips the acyl carrier protein for acyl chain accommodation. *Biochim Biophys Acta Proteins Proteom.* 1867(3):163-174.
10. Attery A, Dey P, Tripathi P, Batra JK. (2018) A ribonuclease inhibitor resistant dimer of human pancreatic ribonuclease displays specific antitumor activity. *Int J Biol Macromol.* 107(Pt B):1965-1970.
12. Balyan R, Gund R, Chawla AS, Khare SP, Pradhan SJ, Rane S, Galande S, Durdik JM, George A, Bal V, Rath S. (2018) Correlation of Cell-Surface CD8 Levels with Function, Phenotype and Transcriptome of Naive CD8 T Cells. *Immunology.* 156(4):384-401.
13. Banerjee P, Malik A, Malhotra SS, Gupta SK. (2019) Role of STAT signaling and autocrine action of chemokines during H(2) O (2) induced HTR-8/SVneo trophoblastic cells invasion. *J Cell Physiol.* 234(2):1380-1397.
15. Basu S, Arya SP, Usmani A, Pradhan BS, Sarkar RK, Ganguli N, Shukla M, Mandal K, Singh S, Sarda K, Majumdar SS. (2018) Defective Wnt3 expression by testicular Sertoli cells compromise male fertility. *Cell Tissue Res.* 371(2):351-363.
16. Bhattacharya I, Basu S, Pradhan BS, Sarkar H, Nagarajan P, Majumdar SS. (2018) Testosterone augments FSH signaling by upregulating the expression and activity of FSH-Receptor in Pubertal Primate Sertoli cells. *Mol Cell Endocrinol.* pii: S0303-7207(18)30365-4. doi: 10.1016/j.mce.2018.12.012. [Epub ahead of print].
17. Bothra A, Arumugam P, Panchal V, Menon D, Srivastava S, Shankaran D, Nandy A, Jaisinghani N, Singh A, Gokhale RS,
18. Gandotra S, Rao V. (2018) Phospholipid homeostasis, membrane tenacity and survival of Mtb in lipid rich conditions is determined by MmpL11 function. *Sci Rep.* 8(1):8317.
19. Chandel TI, Zaidi N, Zaman M, Jahan I, Masroor A, Siddique IA, Nayeem SM, Ali M, Uversky VN, Khan RH. (2018) A multiparametric analysis of the synergistic impact of anti-Parkinson's drugs on the fibrillation of human serum albumin. *Biochim Biophys Acta Proteins Proteom.* S1570-9639(18)30172-9.
20. Chattopadhyay M, Mukherjee S, Chatterjee SK, Chattopadhyay D, Das S, Majumdar SS, Mukhopadhyay S, Mukherjee S,
21. Bhattacharya S. (2018) Impairment of energy sensors, SIRT1 and AMPK, in lipid induced inflamed adipocyte is regulated by Fetuin A. *Cell Signal.* 42:67-76.
22. Chaudhary P, Malhotra SS, Babu GS, Sobti RC, Gupta SK. (2018) HGF promotes HTR-8/SVneo cell migration through activation of MAPK/PKA signaling leading to up-regulation of WNT ligands and integrins that target β -catenin. *Mol Cell Biochem.* doi: 10.1007/s11010-018-3428-3. [Epub ahead of print]

24. Chaudhuri S, Singh MK, Bhattacharya D, Datta A, Hazra I, Mondal S, Faruk SkMd O, Ronsard L, Ghosh TK, Chaudhuri S.
25. (2018) T11TS immunotherapy repairs PI3K-AKT signaling in T-cells: Clues toward enhanced T-cell survival in rat glioma model. *J Cell Physiol.* 233(2):759-770.
26. Chawla AS, Kanodia P, Mukherjee A, Jain V, Kaur G, Coshic P, Chatterjee K, Wadhwa N, Natchu UCM, Sopory S, Bhatnagar S,
27. Majumder PP, George A, Bal V, Rath S, Prabhu SB. (2018) Cell-intrinsic regulation of peripheral memory-phenotype T cell frequencies. *PLoS One.* 13(12):e0200227.
28. Dani P, Patnaik N, Singh A, Jaiswal A, Agrawal B, Kumar AA, Varkhade SR, Sharma A, Vaish U, Ghosh P, Sharma VK, Sharma
29. P, Verma G, Kar HK, Gupta S, Natarajan VT, Gokhale RS, Rani R. (2018) Association and expression of the antigen-processing gene PSMB8, coding for low-molecular-mass protease 7, with vitiligo in North India: case-control study. *Br J Dermatol.* 178(2):482-491.
30. Das S, Giri S, Sundar S, Shaha C. (2018) Functional Involvement of Leishmania donovani Tryparedoxin Peroxidases during
31. Infection and Drug Treatment. *Antimicrob Agents Chemother.* 21;62(1).
32. Das U, Singh E, Dharavath S, Subhramanyam UKT, Pal RK, Vijayan R, Menon S, Kumar S, Gourinath S, Srinivasan A. (2018) Structural insights into the substrate binding mechanism of novel ArgA from Mycobacterium tuberculosis. *Int J Biol Macromol.* pii: S0141-8130(18)35189-4. doi:10.1016/j.ijbiomac.2018.12.163. [Epub ahead of print].
33. Deshmukh RS, Sharma S, Das S. (2018) Cyclin F-Dependent Degradation of RBPJ Inhibits IDH1(R132H)-Mediated
34. Tumorigenesis. *Cancer Res.* 78(22):6386-6398.
35. Dubey R, Malhotra SS, Gupta SK. (2018) Forskolin-mediated BeWo cell fusion involves down-regulation of miR-92a-1-5p that targets dysferlin and protein kinase cAMP-activated catalytic subunit alpha. *Am J Reprod Immunol.* 79(6):e12834.
36. Dwivedi V, Saini P, Tasneem A, Agarwal K, Sampathkumar SG. (2018) Differential inhibition of mucin-type O-glycosylation (MTOG) induced by peracetyl N-thioglycolyl-d-galactosamine (Ac(5)GalNTGc) in myeloid cells. *Biochem Biophys Res Commun.* 506(1):60-65.
37. Dwivedi VP, Bhattacharya D, Singh M, Bhaskar A, Kumar S, Sobia P, Kaer LV, Das G. (2018) Allicin enhances antimicrobial
38. activity of macrophages during Mycobacterium tuberculosis infection. *J Ethnopharmacol.* pii:S0378-8741(18)31763-X. doi: 10.1016/j.jep.2018.12.008. [Epub ahead of print]
39. Dwivedy A, Jha B, Singh KH, Ahmad M, Ashraf A, Kumar D, Biswal BK. (2018) Serendipitous crystallization and structure determination of bacterioferritin from Achromobacter. *Acta Crystallogr F Struct Biol Commun.* 74(Pt 9):558-566.
40. Fatima S, Iqbal Z, Panda AK, Samim M, Talegaonkar S, Ahmad FJ. (2018) Polymeric nanoparticles as a platform for permeability enhancement of class III drug amikacin. *Colloids Surf B Biointerfaces* 169:206-213.
41. Ganguli N, Ganguli N, Chandra S, Choubey M, Sarkar DP, Majumdar SS. (2018) A combinatorial approach for robust transgene delivery and targeted expression in mammary gland for generating biotherapeutics in milk, bypassing germline gene integration. *Appl Microbiol Biotechnol.* 102(14):6221-6234.
42. Gautam M, Bhattacharya I, Rai U, Majumdar SS. (2018) Hormone induced differential transcriptome analysis of Sertoli cells
43. during postnatal maturation of rat testes. *PLoS One.* 13(1):e0191201.
44. Gupta SK. (2018) The Human Egg's Zona Pellucida. *Curr Top Dev Biol.* 130:379-411.
45. Gurjar BS, Manikanta Sriharsha T, Bhasym A, Prabhu S, Puraswani M, Khandelwal P, Saini H, Saini S, Verma AK, Chatterjee P, Guchhait P, Bal V, George A, Rath S, Sahu A, Sharma A, Hari P, Sinha A, Bagga A. (2018) Characterization of genetic predisposition and autoantibody profile in atypical haemolytic-uraemic syndrome. *Immunology.* 154:663-672.
46. Hernández-Cuevas NA, Jhingan GD, Petropolis D, Vargas M, Guillen N. (2018) Acetylation is the most abundant actin
47. modification in Entamoeba histolytica and modifications of actin's amino-terminal domain change cytoskeleton activities. *Cell Microbiol.* 21(4):e12983.
48. Jagadish N, Fatima R, Sharma A, Devi S, Suri V, Kumar V, Suri A. (2018) Sperm associated antigen 9 (SPAG9) a promising

49. therapeutic target of ovarian carcinoma. *Tumour Biol.*40(5):1010428318773652.
50. Jain P, Malakar B, Khan MZ, Lochab S, Singh A, Nandicoori VK.(2018)Delineating FtsQ-mediated regulation of cell division in *Mycobacterium tuberculosis*. *J Biol Chem.* 293(32):12331-12349.
51. Jha B, Kumar D, Sharma A, Dwivedy A, Singh R, Biswal BK. (2018) Identification and structural characterization of a histidinol phosphate phosphatase from *Mycobacterium tuberculosis*. *J Biol Chem.* 293(26):10102-10118.
52. Jhelum H, Sori H, Sehgal D. (2018) A novel extracellular vesicle-associated endodeoxyribonuclease helps *Streptococcus pneumoniae* evade neutrophil extracellular traps and is required for full virulence. *Sci Rep.* 8(1):7985.
53. Joonè CJ, Schulman ML, Fosgate GT, Claes ANJ, Gupta SK, Botha AE, Human A, Bertschinger HJ. (2018) Serum anti-Müllerian hormone dynamics in mares following immunocontraception with anti-zona pellucida or -GnRH vaccines. *Theriogenology.* 106:214-220.
54. Kant R, Pasi S, Surolia A. (2018)Auto-Reactive Th17-Cells Trigger Obsessive-Compulsive-Disorder Like Behavior in Mice With Experimental Autoimmune Encephalomyelitis. *Front Immunol.* 9:2508.
56. Kaur H, Sain N, Mohanty D, Salunke DM. (2018) Deciphering evolution of immune recognition in antibodies. *BMC Struct Biol.* 18(1):19.
57. Kaur M, Devi R, Ghosh T, Khan MM, Kumar P, Priyanka, Kar A, Sharma A, Varshney A, Kumar V, Saxena S. (2018) Sld5 Ensures Centrosomal Resistance to Congression Forces by Preserving Centriolar Satellites. *Mol Cell Biol.* 38(2) e00371-17.
58. Kaushik H, Dixit A, Garg LC. (2018) Synthesis of peptide based epsilon toxin vaccine by covalent anchoring to tetanus toxoid. *Anaerobe.*53: 50-55.
59. Kesarwani A, Nagpal P, Mishra A, Zaidi R, Upadhyay P. (2018) An inexpensive and easy-to-make customized antibiotics mix for mycobacterium culture. *F1000Res.* 7:507.
60. Khan J, Salhotra S, Ahmad S, Sharma S, Abdi SAH, Banerjee BD, Parvez S, Gupta S, Raisuddin S. (2018) The protective effect of α -lipoic acid against bisphenol A-induced neurobehavioral toxicity. *Neurochem Int.*118:166-175.
61. Khan MZ, Kaur P, Nandicoori VK. (2018) Targeting the messengers: Serine/threonine protein kinases as potential targets for antimycobacterial drug development. *IUBMB Life.* 70(9):889-904.
62. Khullar B, Balyan R, Oswal N, Jain N, Sharma A, Abdin MZ, Bagga A, BhatnagarS, Wadhwa N, Natchu UCM, George A, Rath S, Bal V, Sopory S. (2018) Interaction of CD80 with Neph1: a potential mechanism of podocyte injury. *Clin Exp Nephrol.* 22(3):508-516.
63. Kohli S, Bhardwaj A, Kumari R, Das S. (2018) SIRT6 Is a Target of Regulation by UBE3A That Contributes to Liver Tumorigenesis in an ANXA2-Dependent Manner. *Cancer Res.*78(3):645-658.
65. Kumar A, Giri S, Shaha C. (2018) Sestrin2 facilitates glutamine-dependent transcription of PGC-1 α and survival of liver cancer cells under glucose limitation. *FEBS J.* 285(7):1326-1345.
66. Kumar A, Shaha C. (2018) RBX1-mediated ubiquitination of SESN2 promotes cell death upon prolonged mitochondrial damage in SH-SY5Y neuroblastoma cells. *Mol Cell Biochem.* 446(1-2):1-9.
67. Kumar A, Shaha C. (2018) SESN2 facilitates mitophagy by helping Parkin translocation through ULK1 mediated Beclin1 phosphorylation. *Sci Rep.*8(1):615.
68. Kumar P, John V, Gupta A, Bhaskar S. (2018) Enhanced survival of BCG-stimulated dendritic cells: involvement of anti-apoptotic proteins and NF- κ B. *Biol Open.* 7(6).
69. Kumari M, Pal RK, Mishra AK, Tripathi S, Biswal BK, Srivastava KK, Arora A. (2018) Structural and functional characterization of the transcriptional regulator Rv3488 of *Mycobacterium tuberculosis* H37Rv. *Biochem J.*475(21):3393-3416.
70. Lata S, Mishra R, Banerjea AC. (2018) Proteasomal Degradation Machinery: Favorite Target of HIV-1 Proteins. *Front Microbiol.* 9:2738.
71. Maheshwari D, Yadav R, Rastogi R, Jain A, Tripathi S, Mukhopadhyay A, Arora A. (2018) Structural and Biophysical Characterization of Rab5a from *Leishmania Donovanii*. *Biophys J.* 115(7):1217-1230.
72. Mandal K, Sarkar RK, Sen Sharma S, Jain A, Majumdar SS. (2018) Sertoli cell specific knockdown of RAR-related orphan receptor (ROR) alpha at puberty reduces sperm count in rats. *Gene.* 641:18-24.

73. Mishra A, Arindkar S, Sahay P, Kumar JM, Upadhyay PK, Majumdar SS, Nagarajan P. (2018) Evaluation of high-fat high-fructose diet treatment in factor VIII (coagulation factor)-deficient mouse model. *Int J Exp Pathol.* 99(1):46-53.
74. Mishra NN, Kesharwani A, Agarwal A, Polachira SK, Nair R, Gupta SK. (2018) Herbal Gel Formulation Developed for Anti-Human Immunodeficiency Virus (HIV)-1 Activity Also Inhibits In Vitro HSV-2 Infection. *Viruses.* 10(11): 580.
75. Mishra V, Thakur S, Patil A, Shukla A. (2018) Quality by design (QbD) approaches in current pharmaceutical set-up. *Expert Opin Drug Deliv.* 15(8):737-758.
76. Oyeyemi O, Adegbeyeni O, Oyeyemi I, Meena J, Panda A. (2018) In vitro ovicidal activity of poly lactic acid curcumin-nisin co-entrapped nanoparticle against *Fasciola* spp. eggs and its reproductive toxicity. *J Basic Clin Physiol Pharmacol.* 29(1):73-79.
77. Oyeyemi O, Morenkeji O, Afolayan F, Dauda K, Busari Z, Meena J, Panda A. (2018) Curcumin-Artesunate Based Polymeric
78. Nanoparticle; Antiplasmodial and Toxicological Evaluation in Murine Model. *Front Pharmacol.* 9:562.
79. Padhi S, Kapoor R, Verma D, Panda AK, Iqbal Z. (2018) Formulation and optimization of topotecan nanoparticles: In vitro characterization, cytotoxicity, cellular uptake and pharmacokinetic outcomes. *J Photochem Photobiol B.* 183:222-232.
80. Pawale VS, Yadav P, Roy RP. (2018) Facile One-Step Assembly of Bona Fide SUMO Conjugates by Chemoenzymatic Ligation. *Chembiochem.* 19: 1137-41.
81. Priyadarshini R, Hussain M, Attri P, Kaur E, Tripathi V, Priya S, Dhapola P, Saha D, Madhavan V, Chowdhury S, Sengupta S. (2018) BLM Potentiates c-Jun Degradation and Alters Its Function as an Oncogenic Transcription Factor. *Cell Rep.* 24(4):947-961.
82. Raja R, Lata S, Trivedi S, Banerjee AC. (2018) Serum deprivation/starvation leads to reactivation of HIV-1 in latently infected
83. monocytes via activating ERK/JNK pathway. *Sci Rep.* 8(1):14496.
84. Rathore DK, Holmes TH, Nadeau KC, Mittal P, Batra A, Rosenberg-Hasson Y, Sopory S, Gupta R, Chellani HK, Aggarwal KC, Bal V, Natchu UCM, Bhatnagar S, Tavassoli M, Lyell DJ, Rath S, Wadhwa N, Maecker HT (2018) Differences in multiple immune parameters between Indian and U.S. infants. *PLoS One.* 13(11): e0207297.
85. Rawal L, Panwar D, Ali S. (2018) Major Histocompatibility Complex Dma α/β Genes and Their Expressional Diversity in
86. Healthy and Diseased Water Buffalo *Bubalus bubalis*. *Cell Physiol Biochem.* 46(2):505-519.
87. Roy P, Sarkar UA, Basak S. (2018) The NF- κ B Activating Pathways in Multiple Myeloma. *Biomedicines.* 6(2): 59.
88. Sadarangani V, Rahman S, Sau AK. (2018) Metal ions-induced stability and function of bimetallic human arginase-I, a therapeutically important enzyme. *Biochim Biophys Acta Proteins Proteom.* 1866(11):1153-1164.
89. Saneja A, Arora D, Kumar R, Dubey RD, Panda AK, Gupta PN. (2018) CD44 targeted PLGA nanomedicines for cancer chemotherapy. *Eur J Pharm Sci.* 121:47-58.
90. Saneja A, Arora D, Kumar R, Dubey RD, Panda AK, Gupta PN. (2018) Therapeutic applications of betulinic acid nanoformulations. *Ann N Y Acad Sci.* 1421(1):5-18.
91. Saneja A, Kumar R, Arora D, Kumar S, Panda AK, Jaglan S. (2018) Recent advances in near-infrared light-responsive nanocarriers for cancer therapy. *Drug Discov Today.* 23(5):1115-1125.
92. Setya S, Madaan T, Tariq M, Razdan BK, Talegaonkar S. (2018) Appraisal of Transdermal Water-in-Oil Nanoemulgel of Selegiline HCl for the Effective Management of Parkinson's Disease: Pharmacodynamic, Pharmacokinetic, and Biochemical Investigations. *AAPS PharmSciTech.* 19(2):573-589.
93. Shahid S, Kabra A, Mundra S, Pal RK, Tripathi S, Jain A, Arora A. (2018) Role of methionine 71 in substrate recognition and structural integrity of bacterial peptidyl-tRNA hydrolase. *Biochim Biophys Acta Proteins Proteom.* 1866(8):865-874.
94. Sharma A, Saqib M, Sheikh JA, Ehtesham NZ, Bhaskar S, Chaudhuri TK, Hasnain SE. (2018) *Mycobacterium indicus pranii* protein MIP_05962 induces Th1 cell mediated immune response in mice. *Int J Med Microbiol.* 308(8):1000-1008.
95. Sharma C, Mohanty D. (2018) Sequence- and structure-based analysis of proteins involved in miRNA biogenesis. *J Biomol Struct Dyn.* 36(1):139-151.

96. Sharma I, Singh A, Siraj F, Saxena S. (2018) IL-8/CXCR1/2 signalling promotes tumor cell proliferation, invasion and vascular mimicry in glioblastoma. *J Biomed Sci.*25(1):62.
97. Shivcharan S, Yadav J, Qadri A. (2018) Host lipid sensing promotes invasion of cells with pathogenic Salmonella. *Sci Rep.* 8(1):15501.
98. Shukla M, Ganguli N, Sen Sharma S, Majumdar SS. (2018) Sertoli cell specific decline in NOR-1 leads to germ cell apoptosis and reduced fertility. *J Cell Biochem.* 119(8):6514-6526.
99. Siddiqi MK, Alam P, Malik S, Majid N, Chaturvedi SK, Rajan S, Ajmal MR, Khan MV, Uversky VN, Khan RH. (2018) Stabilizing proteins to prevent conformational changes required for amyloid fibril formation. *J Cell Biochem.* doi:10.1002/jcb.27576. [Epub ahead of print]
100. Sikri K, Duggal P, Kumar C, Batra SD, Vashist A, Bhaskar A, Tripathi K, Sethi T, Singh A, Tyagi JS. (2018) Multifaceted remodeling by vitamin C boosts sensitivity of Mycobacterium tuberculosis subpopulations to combination treatment by anti-tubercular drugs. *Redox Biol.* 15:452-466.
101. Singh A, Batra JK. (2018) Insight into the functional role of unique determinants in RNA component of RNase P of Mycobacterium tuberculosis. *Int J Biol Macromol.* 119:937-944.
102. Singh B, Bhaskar S. (2018) Methods for Detection of Autophagy in Mammalian Cells. *Methods Mol Biol.*doi: 10.1007/7651_2018_190. [Epub ahead of print]
103. Singh KH, Yadav S, Kumar D, Biswal BK. (2018) The crystal structure of an essential high-temperature requirement protein HtrA1 (Rv1223) from Mycobacterium tuberculosis reveals its unique features. *Acta Crystallogr D Struct Biol.* 74(Pt 9):906-921.
104. Singh P, Sarkar M, Agrawal U, Huhtaniemi I, Pal R. (2018) The transgenic expression of the β -subunit of human chorionic gonadotropin influences the growth of implanted tumor cells. *Oncotarget.* 9(78):34670-34680.
105. Singh PK, Kapoor A, Lomash RM, Kumar K, Kamerkar SC, Pucadyil TJ, Mukhopadhyay A. (2018) Salmonella SipA mimics a cognate SNARE for host Syntaxin8 to promote fusion with early endosomes. *J Cell Biol.*217(12):4199.
106. Tajmul M, Parween F, Singh L, Mathur SR, Sharma JB, Kumar S, Sharma DN, Yadav S. (2018) Identification and validation of salivary proteomic signatures for non-invasive detection of ovarian cancer. *Int J Biol Macromol.* 108:503-514.
107. Thergaonkar RW, Narang A, Gurjar BS, Tiwari P, Puraswani M, Saini H, Sinha A, Varma B, Mukerji M, Hari P, Bagga A. (2018) Targeted exome sequencing in anti-factor H antibody negative HUS reveals multiple variations. *Clin Exp Nephrol.* 22(3):653-660.
108. Thukral V, Varshney B, Ramly RB, Ponia SS, Mishra SK, Olsen CM, Banerjee AC, Mukherjee SK, Zaidi R, Rimstad E, Lal SK. (2018) s8ORF2 protein of infectious salmon anaemia virus is a RNA-silencing suppressor and interacts with Salmon salar Mov10 (SsMov10) of the host RNAi machinery. *Virus Genes.* 54(2):199-214.
109. Tripathi P, Parijat P, Patel VK, Batra JK. (2018) The amino-terminal domain of Mycobacterium tuberculosis ClpB protein plays a crucial role in its substrate disaggregation activity. *FEBS Open Bio.* 8(10):1669-1690.
110. Tripathi V, Agarwal H, Priya S, Batra H, Modi P, Pandey M, Saha D, Raghavan SC, Sengupta S. (2018) MRN complex-dependent recruitment of ubiquitylated BLM helicase to DSBs negatively regulates DNA repair pathways. *Nat Commun.* 9(1):1016.
111. Vandana, Singh AP, Singh J, Sharma R, Akhter M, Mishra PK, Saxena AK, Dixit R, Rathi B, Katyal A, Pandey KC. (2018) Biochemical characterization of unusual cysteine protease of *P. falciparum*, metacaspase-2 (MCA-2). *Mol Biochem Parasitol.* 220:28-41.
112. Verma D, Gupta S, Kaur KJ, Gupta V. (2018) Is perturbation in the quaternary structure of bacterial CysE, another regulatory mechanism for cysteine synthesis? *Int J Biol Macromol.* 111:1010-1018.
113. Verma S, Jagtap U, Goyal A, Mukhopadhyay A. (2018) A novel gene-diet pair modulates *C. elegans* aging. *Plos Genetics.* 14(8):e1007608.
114. Verma S, Pal R, Gupta SK. (2018) Decrease in invasion of HTR-8/SVneo trophoblastic cells by interferon gamma involves cross-communication of STAT1 and BATF2 that regulates the expression of JUN. *Cell Adh Migr.* 20:1-15.

121. Yadav SK, Dash P, Sahoo PK, Garg LC, Dixit A. (2018) Modulation of immune response and protective efficacy of recombinant outer-membrane protein F (rOmpF) of *Aeromonas hydrophila* in *Labeo rohita*. *Fish Shellfish Immunol.* 80:563-572.
122. Yadav U, Arya R, Kundu S, Sundd M. (2018) The "Recognition Helix" of the Type II Acyl Carrier Protein (ACP) Utilizes a
123. "Ubiquitin Interacting Motif (UIM)"-like Surface To Bind Its Partners. *Biochemistry.* 57(26):3690-3701.
124. Yadav U, Sundd M. (2018) Backbone chemical shift assignments of the glycine cleavage complex H protein of *Escherichia coli*. *Biomol NMR Assign.* 12(1):163-165.
125. Yadav V K. (2018) Vitamin B12 as a regulator of bone health. *Current Science.* 114(8): 1632-38.