

2020

1. Kapoor S, Shenoy PS, Bose B . Presence of mesenchymal and hematopoietic stem cell markers in murine liver and muscle: an *ex vivo* and *in vitro* study. *Journal of Natural Remedies*. 2020;21(2):91-100.
2. Kapoor S*, Subba. Predicted peptide patterns from the SARS-CoV-2 proteome for MS-MS based diagnosis. *Bioinformation*. 2020;16(6), 477-482 (*Co-corresponding author).
3. Ahsan N, Wilson RS, Rao RSP, Salvato F, Sabila M, Ullah H, et al. Mass Spectrometry-Based Identification of Phospho-Tyr in Plant Proteomics. *Journal of Proteome Research*. 2020 07;19(2):561-71.
4. Shastry RP, Welch M, Rai VR, Ghate SD, Sandeep K, Rekha PD. The whole-genome sequence analysis of Enterobacter cloacae strain Ghats1: insights into endophytic lifestyle-associated genomic adaptations. *Archives of Microbiology*. 2020 Aug 1;202(6):1571-9.
5. Bose B, Kapoor S, Sen U, As MN, Chaudhury D, P SS. Assessment of Oxidative Damage in the Primary Mouse Ocular Surface Cells/Stem Cells in Response to Ultraviolet-C (UV-C) Damage. *Journal of Visual Experiment*. 2020 Feb 15;(156):e59924.
6. Dekaboruah E, Suryavanshi MV, Chettri D, Verma AK. Human microbiome: an academic update on human body site specific surveillance and its possible role. *Archives of Microbiology*. 2020 Jun 10;
7. Shaikh SB, Bhat SG, Bhandary YP. Curcumin attenuates IL-17A mediated pulmonary SMAD dependent and non-dependent mechanism during acute lung injury *in vivo*. *Molecular Biology Reports*. 2020 Jun, doi: 10.1007/s11033-020-05587-0. PMID: 32572733
8. Chauhan M, Modi PK, Sharma P. Aberrant activation of neuronal cell cycle caused by dysregulation of ubiquitin ligase Itch results in neurodegeneration. *Cell Death & Disease volume*. 2020 Jun 8;11(6):1-13. doi.org/10.1038/s41419-020-2647-1
9. Ramesha KP, Mol P, Kannegundla U, Thota LN, Gopalakrishnan L, Rana E, et al. Deep Proteome Profiling of Semen of Indian Indigenous Malnad Gidda (*Bos indicus*) Cattle. *Journal of Proteome Research*, 2020 Jun 6: doi.org/10.1021/acs.jproteome.0c00237
10. Bose B. Induced Pluripotent Stem Cells (iPSCs) Derived 3D Human Lung Organoids from Different Ethnicities to Understand the SARS-CoV2 Severity/Infectivity Percentage. *Stem Cell Reviews and Reports* :2020 Jun 4: doi.org/10.1007/s12015-020-09989-2 PMID: 32500482
11. Sharma T, Datta KK, Kumar M, Dey G, Khan AA, Mangalaparthi KK, et al. Intracranial Aneurysm Biomarker Candidates Identified by a Proteome-Wide Study. *OMICS Journal of Integrated Biology [Internet]*. 2020 Jun 11 [cited 2020 Aug 3]; Available from: doi/abs/10.1089/omi.2020.0057
12. Kasaragod S, Mohanty V, Tyagi A, Behera SK, Patil AH, Pinto SM, et al. CusVarDB: A tool for building customized sample-specific variant protein database from next-generation sequencing datasets. *F1000Research*. 2020 May 11;9:344.

13. Deolankar SC, Modi PK, Subbannayya Y, Pervaje R, Prasad TSK. Molecular Targets from Traditional Medicines for Neuroprotection in Human Neurodegenerative Diseases. OMICS Journal of Integrated Biology. 2020 Jun 2;24(7):394–403.
14. V M, Sm P, Y S, Ma N, Kb M, Tsk P, et al. Digging Deeper for the Eye Proteome in Vitreous Substructures: A High-Resolution Proteome Map of the Normal Human Vitreous Base. Omics Jornal of Integrated Biology. 2020 Jun 1;24(6):379–89.
15. Anjali K, Arun AB, Bastian TS, Parthiban R, Selvamani M, Adarsh H. Oral microbial profile in oral cancer patients before and after radiation therapy in a cancer care center –A prospective study. Journal of Oral Maxillofacial Pathology. 2020 Jan 1;24(1):117.
16. Uwabagira N, Sarojini BK, Prabhu A. Synthesis, In Vitro Anticancer, Anti-Inflammatory and DNA Binding Activity of Thiazolidinedione Derivatives. Anticancer Agents Medicinal Chemistry. 2020 Apr 23; doi: 10.2174/187152062066200424102615 PMID: 32329700
17. Rex D a. B, Agarwal N, Prasad TSK, Kandasamy RK, Subbannayya Y, Pinto SM. A comprehensive pathway map of IL-18-mediated signalling. Journal of Cell Communication Signal. 2020 Jun;14(2):257–66.
18. Comparison of DNA extraction methods for non-marine molluscs: is modified CTAB DNA extraction method more efficient than DNA extraction kits?] Biotech 10, 69 (2020); doi.org/10.1093/nar/25.22.4692
19. Sil M, Aravind NA, Karanth KP. Into-India or out-of-India? Historical biogeography of freshwater gastropod genus *Pila* (Ampullariidae). bioRxiv. 2019 May 21;643882.
20. Rao SS, Saptami K, Venkatesan J, Rekha PD. Microwave-assisted rapid synthesis of silver nanoparticles using fucoidan: Characterization with assessment of biocompatibility and antimicrobial activity [published online ahead of print, 2020 Jun 26]. Integrated Journal of Biological Macromolecules. 2020;163:745-755. doi:10.1016/j.ijbiomac.2020.06.230
21. Prasad KS, Abugalyon Y, Li C, Xu F, Li X. A new method to amplify colorimetric signals of paper-based nanobiosensors for simple and sensitive pancreatic cancer biomarker detection. Analyst. 2020 Jul 29;145(15):5113–7.
22. Swetha PDP, Prasad KS. A Non-Enzymatic Disposable Electrochemical Sensor for Pyruvic Acid. Electroanalysis ;11 May 2017 .doi.org/10.1002/elan.201700115
23. Gouda MM, Rex DAB, ES SP, Modi PK, Chanderasekaran J, Bhandary YP. Proteomics Analysis Revealed the Importance of Inflammation-Mediated Downstream Pathways and the Protective Role of Curcumin in Bleomycin-Induced Pulmonary Fibrosis in C57BL/6 Mice. Journal of Proteome Research 2020 Jul 3 : doi.org/10.1021/acs.jproteome.9b00838
24. Dalavi PA, Prabhu A, Shastry RP, Venkatesan J. Microspheres containing biosynthesized silver nanoparticles with alginate-nano hydroxyapatite for biomedical applications. Journal of Biomaterial Science Polymer Edition. 2020 Jul 10;0(0):1–19.

- 25.. Datta A, Yang C-R, Salhadar K, Chou C-L, Raghuram V, Knepper MA. Phosphoproteomic Identification of Vasopressin-Regulated Protein Kinases in Collecting Duct Cells. *bioRxiv*. 2020 Jul 24;2020.07.22.215897.
26. Gupta S, Louis JM, Tycko R. Effects of an HIV-1 maturation inhibitor on the structure and dynamics of CA-SP1 junction helices in virus-like particles. *Proceedings of the National Academy of Sciences*;2020 May, doi: 12;117(19):10286–93.
27. Datta A, Yang C-R, Limbutara K, Chou C-L, Rinschen MM, Raghuram V, et al. PKA-independent vasopressin signaling in renal collecting duct. *FASEB Journal*. 2020; doi:34(5):6129–46.
28. Bhagya N, Prabhu A, Rekha PD, Chandrashekhar KR. Combination of tetrandrine and cisplatin synergises cytotoxicity and apoptosis in triple negative breast cancer. Synergy. 2020 Jun , doi:1;10:100063.
29. Kapoor S, Shenoy SP, Bose B. CD34 cells in somatic, regenerative and cancer stem cells: Developmental biology, cell therapy, and omics big data perspective. *Journal of Cell Biochemistry*. doi:2020;121(5–6):3058–69.
30. Lakshmanan MD, Shaheer K. Endocrine disrupting chemicals may deregulate DNA repair through estrogen receptor mediated seizing of CBP/p300 acetylase. *Journal of Endocrinological Investigations*:2020 Apr 6 ; doi.org/10.1007/s40618-020-01241-5
31. Johnson S, Shaikh SB, Muneesa F, Rashmi B, Bhandary YP. Radiation induced apoptosis and pulmonary fibrosis: curcumin an effective intervention? *Integrated Journal of Radiation Biology*. 2020 Jun; doi:96(6):709–17.
32. Anjana S, Sammeta SP, Das R. Developing ancestry informative marker panel for Nigeria-Cameroonian chimpanzees. *Journal of Genetics*. 2020 May: doi:11;99(1):39.
33. Das R, Ghate SD. Investigating the likely association between genetic ancestry and COVID-19 manifestation. *medRxiv*. 2020 Apr, doi: 15;2020.04.05.20054627.
34. Rao SS, Venkatesan J, Prabhu A, Rekha PD. Natural polymeric biomaterials in growth factor delivery for treating diabetic foot ulcers. *Journal of Drug Delivery Science Technology*. 2020 Feb doi:1;55:101385.
35. Agrawal JB, Hegde A, Rekha PD. Abdominal Wall Reconstruction (AWR): Initial Experience from an Indian Centre. *Indian Journal of Surgery*. 2020 Mar 19:1-5. doi:10.1007/s12262-020-02123-z
36. Jayappa MD, Ramaiah CK, Kumar MA, Suresh D, Prabhu A, Devasya RP, Sheikh S. Green synthesis of zinc oxide nanoparticles from the leaf, stem and in vitro grown callus of Mussaenda frondosa L.: characterization and their applications. *Applied Nanoscience*. 2020 Apr:1-8; doi.org/10.1007/s13204-020-01382-2
37. Sowmya S, Rekha PD, Yashodhara I, Karunakara N, Arun AB. Uranium tolerant phosphate solubilizing bacteria isolated from Gogi, a proposed uranium mining site in South India. *Applied Geochemistry*. 2020 Jan 3:104523. doi.org/10.1016/j.jprot.2019.103556
38. Mangesh VS, Nidhi B, Shrikant SB, Vipin C, Pooja C , Yogesh SS, Surveillance of Root-associated Microbiome of Oxalogenic Colocasia esculenta (Linn) Plant Reveals Distinct Bacterial Species Diversity, *Journal of Pure and Applied Microbiology*, 2020; 14(1): 547-57. doi.org/10.22207/JPAM.14.1.57

39. Sunitha B, Kumar M, Gowthami N, Unni S, Gayathri N, Prasad TSK, Nalini A, Polavarapu K, Vengalil S, Preethish-Kumar V, Padmanabhan B. Human muscle pathology is associated with altered phosphoprotein profile of mitochondrial proteins in the skeletal muscle. *Journal of Proteomics*. 2020 . doi: 10.1016/j.jprot.2019.103556. PMID:31655151
40. Gnocchi D, Kapoor S, Nitti P, Cavalluzzi MM, Lentini G, Denora N, Sabbà C, Mazzocca A. Novel lysophosphatidic acid receptor 6 antagonists inhibit hepatocellular carcinoma growth through affecting mitochondrial function. *Journal of Molecular Medicine*. 2020 Feb;98(2):179-91. doi: 10.1007/s00109-019-01862-1 2019. PMID:31863151
41. Rajesh MK, Muralikrishna KS, Nair SS, Kumar BK, Subrahmanyam TM, Sonu KP, Subaharan K, Sweta H, Prasad TSK, Chandran N, Karunasagar I. Facile coconut inflorescence sap mediated synthesis of silver nanoparticles and its diverse antimicrobial and cytotoxic properties. *Materials Science and Engineering: C*. 2020 Mar 10:110834. doi.org/10.1016/j.msec.2020.110834
42. Rani V, Venkatesan J, Prabhu A. Nanotherapeutics in glioma management: Advances and future perspectives. *Journal of Drug Delivery Science and Technology*. 2020 Jun; 57: 101626 doi.org/10.1016/j.jddst.2020.101626
43. Waghmode S, Swami S, Sarkar D, Suryavanshi M, Roachlani S, Choudhari P, Satpute S. Exploring the Pharmacological Potentials of Biosurfactant Derived from Planococcus maritimus SAMP MCC 3013. *Current Microbiology*. 2020 Mar;77(3):452-9. doi: 10.1007/s00284-019-01850-1. PMID: 31897664
44. Kumar S, Paul D, Shouche Y, Suryavanshi M. Data on genome sequencing, assembly, annotation and genomic analysis of Rhodococcus rhodochrous strain SPC17 isolated from Lonar Lake. *Data in Brief*.2020 Apr; 29: 105336doi.org/10.1016/j.dib.2020.105336.
45. Bhagya N, Chandrashekhar KR. Identification and quantification of cytotoxic phenolic acids and flavonoids in Ixora brachiata by UHPLC-DAD and UHPLC-ESI-MS/MS. *International Journal of Mass Spectrometry*. 2020 April; 450:116290. doi: 10.1016/j.ijms.2020.116290
46. Kumar KA, Chandrashekhar KR, Bhagya N, Vivek MR, Sukesh. Ex situ conservation of threatened plant species of the Western Ghats. *Plantasia* 2020. 35(1): 9-15.
47. Subbannayya Y, Pinto SM, Mohanty V, Dagamajalu S, Prasad TS K, Murthy KR. What makes cornea immunologically unique and privileged? Mechanistic clues from a high-resolution proteomic landscape of the human cornea. *OMICS: A Journal of Integrative Biology*. 2020 Mar;24(3):129-139. doi: 10.1089/omi.2019.0190
48. Pati S, Yadav P, Kumari G, Rex DA, Goswami S, Garg S, Prasad TSK, Ramalingam S, Singh S. Role of RBC membrane protein palmitoylation in regulation of molecular topology and susceptibility to Plasmodium falciparum invasion. *bioRxiv*. 2020. doi.org/10.1101/2020.01.21.913855.

2019

1. Rex DA, Agarwal N, Prasad TK, Kandasamy RK, Subbannayya Y, Pinto SM. A comprehensive pathway map of IL-18-mediated signalling. *Journal of Cell Communication and Signaling*. 2019 .doi: 10.1007/s12079-019-00544-4. PMID:31863285
2. Bose B, Kapoor S, Sen U, Nihad ASM, Chaudhury D, Shenoy PS. Assessment of oxidative damage in the primary mouse ocular surface cells/stem cells in response to Ultraviolet-C (UV-C) Damage. *Journal of Visualized Experiments*. 2020. (156), e59924, doi:10.3791/59924 .PMID: 32116303
3. Isloor AM, Anil S, Venkatesan J, Kumar GM. Calcium phosphate bioceramics with polyvinyl alcohol hydrogels for biomedical applications. *Materials Research Express*. 2019 Nov 20;6(12):125404,doi:1088/2053-1591/ab549f
4. Sheik S, Bhagya N, Chandrashekhar KR. Cytotoxic and decolorizing potential of *Colletotrichum gloeosporioides* Penz., isolated from Salacia chinensis Linn. *South African Journal of Botany*. 2019 Nov : 1-5 .doi: 10.1016/j.sajb.2019.10.014
5. Rao SS, Venkatesan J, Prabhu A, Rekha PD. Natural polymeric biomaterials in growth factor delivery for treating diabetic foot ulcers. *Journal of Drug Delivery Science and Technology*. 2009, Oct, 1, 9-18 ,doi.org/10.1016/j.jddst.2019.101385.
6. Jain AP, Patel K, Pinto S, Radhakrishnan A, Nanjappa V, Kumar M, Raja R, Patil AH, Kumari A, Manoharan M, Karunakaran C. MAP2K1 is a potential therapeutic target in erlotinib resistant head and neck squamous cell carcinoma. *Scientific reports*. 2019 Dec 11;9(1):18793 doi: 10.1038/s41598-019-55208-5.PMID:31827134
7. Anjali K, Arun AB, Bastian TS, Parthipan R, Selvamani M , Adarsh H Oral microbial profile in oral cancer patients before and after radiation therapy in a cancer care center – A prospective study. *Journal of Oral and Maxillofacial Pathology*. 2018 Feb; 10(2): e158–65.; doi: 10.4317/jced.54608
8. Bushra KA, Lasrado S, Prasad KS. Detection of Lung Cancer by Modified Irregular Tree Structure Bayesian Network Model Based Image Segmentation. *Materials Today: Proceedings*. 2019 Nov 1130–8 doi.org/10.1016/j.matpr.2018.12.047
9. Lu H, Tang X, Sibley M, Coburn J, Rao RS, Ahsan N, Ramratnam B. Impact of exosomal HIV-1 Tat expression on the human cellular proteome. *Oncotarget*. 2019 Nov; 10:5632-44 doi: 10.18632/oncotarget.27207.
10. MA, Sudhakar AS, Kadar SA, Moosabba MS, Rekha PD. Microstructural diversity of gallstones revealed by spectral microanalyses and their association with hepatic parameters. *Indian Journal of Gastroenterology*. 2019 Oct; 38(5):391-8. doi: 10.1007/s12664-016-0685-5 PMID:31808141

11. Kudkuli J, Abdulla R, Rekha PD, Sharma SD, Gurjar O. Spectroscopic analyses reveal radiotherapy-induced variations in elemental composition and crystallite properties of human permanent teeth enamel. *Journal of oral biosciences*. 2019 Oct;61(4):207-14. doi:[10.1016/j.job.2019.10.002](https://doi.org/10.1016/j.job.2019.10.002). PMID:31808141
12. Kulkarni S, Abdulla R, Jose M, Adyanthaya S, Rex DB, Patil AH, Pinto SM, Subbannayya Y. Omics data-driven analysis identifies laminin-integrin-mediated signaling pathway as a determinant for cell differentiation in oral squamous cell carcinoma. *Indian Journal of Pathology and Microbiology*. 2019 Oct 1;62(4):529. doi: [10.4103/IJPM.IJPM_119](https://doi.org/10.4103/IJPM.IJPM_119) PMID:31611435
13. Sweta S, Dudnakova T, Sudheer S, Baker A, Bhushan R. Importance of long noncoding RNAs in the development and disease of skeletal muscle and cardiovascular lineages. *Frontiers in cell and developmental biology*. 2019 Oct ;7:228. doi:[10.3389/fcell.2019.00228](https://doi.org/10.3389/fcell.2019.00228) 1.
14. Manisha H, Swetha PP, Shim YB, Prasad KS. Revisiting fluorescent carbon nanodots for environmental, biomedical and puzzle about fluorophore impurities. *Nano-Structures & Nano-Objects*. 2019 Oct; 20: 100391.
doi.org/[10.1016/j.nanoso.2019.100391](https://doi.org/10.1016/j.nanoso.2019.100391)
15. Datta KK, Patil S, Patel K, Babu N, Raja R, Nanjappa V, Mangalaparthi KK, Dhaka B, Rajagopalan P, Deolankar SC, Kannan R, Prasad TSK. Chronic Exposure to Chewing Tobacco Induces Metabolic Reprogramming and Cancer Stem Cell-Like Properties in Esophageal Epithelial Cells. *Cells*. 2019 Sep;8(9):949. doi: [10.3390/cells8090949](https://doi.org/10.3390/cells8090949). PMID:31438645
16. Modi PK, Prabhu A, Bhandary YP, Shenoy S, Hegde A, ES SP, Johnson RP, Das SP, Vazirally S, Rekha PD. Effect of calcium glucoheptonate on proliferation and osteogenesis of osteoblast-like cells in vitro. *PloS one*. 2019;14(9). doi: [10.1371/journal.pone.0222240](https://doi.org/10.1371/journal.pone.0222240). PMID:31498830
17. Yadav C, Srikantiah RM, Manjrekar P, Shenoy MT, Chaudhury D. Assessment of Mineral Pathophysiology in Patients with Diabetic Foot Ulcer. *Biological trace element research*. 2019 Aug; 21:1-7. doi: [10.1007/s12011-019-01868-3](https://doi.org/10.1007/s12011-019-01868-3).
PMID:31435884
18. Gowthami N, Sunitha B, Kumar M, Prasad TK, Gayathri N, Padmanabhan B, Bharath MS. Mapping the protein phosphorylation sites in human mitochondrial complex I (NADH: Ubiquinone oxidoreductase): A bioinformatics study with implications for brain aging and neurodegeneration. *Journal of chemical neuroanatomy*. 2019 Jan 1;95:13-28. doi: [10.1016/j.jchemneu.2018.02.004](https://doi.org/10.1016/j.jchemneu.2018.02.004). PMID: 29499254

19. Barua P, Lande NV, Subba P, Gayen D, Pinto S, Keshava Prasad TS, Chakraborty S, Chakraborty N. Dehydration-responsive nuclear proteome landscape of chickpea (*Cicer arietinum L.*) reveals phosphorylation-mediated regulation of stress response. *Plant, cell & environment*. 2019 Jan;42(1):230-44. doi: [10.1111/pce.13334](https://doi.org/10.1111/pce.13334). PMID: 29749054
20. Advani J, Verma R, Chatterjee O, Devasahayam Arokia Balaya R, Najar MA, Ravishankara N, Suresh S, Pachori PK, Gupta UD, Pinto SM, Chauhan DS, Prasad TSK. Rise of Clinical Microbial Proteogenomics: A Multiomics Approach to Nontuberculous Mycobacterium—The Case of *Mycobacterium abscessus* UC22. *Omics: a journal of integrative biology*. 2019 Jan 1;23(1):1-6. doi: [10.1089/omi.2018.0116](https://doi.org/10.1089/omi.2018.0116). PMID: 30207826
21. Pinto SM, Subbannayya Y, Prasad TK. Functional Proteomic Analysis to Characterize Signaling Crosstalk. *InFunctional Proteomics* 2019 Oct ;1871:197-224. doi: [10.1007/978-1-4939-8814-3-14](https://doi.org/10.1007/978-1-4939-8814-3-14). PMID: 30276742
22. Kumar AS, Kudva J, Bharath BR, Ananda K, Sadashiva R, Kumar SM, Revanasiddappa BC, Kumar V, Rekha PD, Naral D. Synthesis, structural, biological and in silico studies of new 5-arylidene-4-thiazolidinone derivatives as possible anticancer, antimicrobial and antitubercular agents. *New Journal of Chemistry*. 2019;43(3):1597-610. doi.org/10.1039/C8NJ03671C
23. Shenoy PS, Sen U, Kapoor S, Ranade AV, Chowdhury CR, Bose B. Sodium fluoride induced skeletal muscle changes: Degradation of proteins and signaling mechanism. *Environmental Pollution*. 2019 Jan 1;244:534-48. Doi: [10.1016/j.envpol.2018.10.034](https://doi.org/10.1016/j.envpol.2018.10.034). PMID: 30384060
24. Ismail M, Nagaraj D, Rajagopal M, Ansari H, Nair M, Hegde A, Rekha PD. Seven-Year Outcomes of Laparoscopic Sleeve Gastrectomy in Indian Patients with Different Classes of Obesity. *Obesity surgery*. 2019 Jan 15;29(1):191-6. doi: [10.1007/s11695-018-3506-3](https://doi.org/10.1007/s11695-018-3506-3). PMID: 30238216
25. Bhat SA, Gurtoo S, Deolankar SC, Fazili KM, Advani J, Shetty R, Prasad TSK, Andrabi S, Subbannayya Y. A network map of netrin receptor UNC5B-mediated signaling. *Journal of cell communication and signaling*. 2019 Mar 1;13(1):121-7. doi: [10.1007/s12079-018-0485-z](https://doi.org/10.1007/s12079-018-0485-z) PMID:30084000
26. Manzoor MA, Mujeeburahiman M, Rekha PD. Electron probe micro-analysis reveals the complexity of mineral deposition mechanisms in urinary stones. *Urolithiasis*. 2019 Apr 1;47(2):137-48. doi: [10.1007/s00240-018-1052-z](https://doi.org/10.1007/s00240-018-1052-z) .PMID: 29504067
27. James NE, Cantillo E, Yano N, Chichester CO, DiSilvestro PA, Hovanesian V, Rao RS, Kim KK, Moore RG, Ahsan N, Ribeiro JR. Septin-2 is overexpressed in epithelial ovarian cancer and mediates proliferation via regulation of cellular metabolic proteins.

- Oncotarget*. 2019 Apr 26;10(31):2959. doi: 10.18632/oncotarget.26836 . PMID:31105878
28. Shaikh SB, Prabhu A, Bhandary YP. Targeting anti-aging protein sirtuin (Sirt) in the diagnosis of idiopathic pulmonary fibrosis. *Journal of cellular biochemistry*. 2019 May;120(5):6878-85. doi: 10.1002/jcb.28033 . PMID: 30390331
29. Subbannayya T, Leal-Rojas P, Zhavoronkov A, Ozerov IV, Korzinkin M, Babu N, Radhakrishnan A, Chavan S, Raja R, Pinto SM, Patil AH. PIM1 kinase promotes gallbladder cancer cell proliferation via inhibition of proline-rich Akt substrate of 40 kDa (PRAS40). *Journal of cell communication and signaling*. 2019 Jun 6;13(2):163-77. doi: 10.1007/s12079-018-00503-5. PMID:30666556
30. Rekha PD, Arun AB. Role of PI3K-Akt and MAPK Signaling in Uranyl Nitrate-Induced Nephrotoxicity. *Biological Trace Element Research*. 2019 Jun 15;189(2):405-11. doi: 10.1007/s12011-018-1505-9. PMID: 30302617
31. Gouda MM, Bhandary YP. Acute lung injury: IL-17A-mediated inflammatory pathway and its regulation by curcumin. *Inflammation*. 2019 Apr ;22:1-0. doi: 10.1007/s10753-019-01010-4. PMID: 31011925
32. Shaheen N, Halima O, Akhter KT, Nuzhat N, Rao RS, Wilson RS, Ahsan N. Proteomic characterization of low molecular weight allergens and putative allergen proteins in lentil (*Lens culinaris*) cultivars of Bangladesh. *Food chemistry*. 2019 Nov 1;297:124936. doi: 10.1016/j.foodchem.2019.06.003. PMID: 31253339
33. Suryavanshi MV, Bhute SS, Gune RP, Shouche YS. Functional eubacteria species along with trans-domain gut inhabitants favour dysgenic diversity in oxalate stone disease. *Scientific reports*. 2018 Nov 9;8(1):1-1. doi: 10.1038/s41598-019-41872-0. PMID:31118429
34. Kuthyala S, Hanumanthappa M, Kumar SM, Sheik S, Karikannar NG, Prabhu A. Crystal, Hirshfeld, ADMET, drug-like and anticancer study of some newly synthesized imidazopyridine containing pyrazoline derivatives. *Journal of Molecular Structure*. 2019 Dec 5;1197:65-72. doi:10.1016/j.molstruc.2019.07.03
35. Yue W, Sun W, Rao RS, Ye N, Yang Z, Chen M. Non-targeted metabolomics reveals distinct chemical compositions among different grades of Bai Mudan white tea. *Food chemistry*. 2019 Mar 30;277:289-97. doi: 10.1016/j.foodchem.2018.10.113. PMID: 30502147
36. Subba P, Narayana Kotimoole C, Prasad TSK. Plant proteome databases and bioinformatic tools: an expert review and comparative insights. *Omics: a journal of integrative biology*. 2019 Apr 1;23(4):190-206. doi: 10.1089/omi.2019.0024. PMID: 31009332

37. Bose B, Najwa AR, Shenoy S. Oxidative Damages to Eye Stem Cells, in Response to, Bright and Ultraviolet Light, Their Associated Mechanisms, and Salvage Pathways. *Molecular Biotechnology*. 2019 Feb 15;61(2):145-52. doi: [10.1007/s12033-018-0136-x](https://doi.org/10.1007/s12033-018-0136-x). PMID: 30474787
38. Agrawal A, Ravikumar R, Varun CN, Kumar M, Chatterjee O, Advani J, Gopalakrishnan L, Nagaraj S, Mohanty V, Patil AH, Sreeramulu B. Global Proteome Profiling Reveals Drug-Resistant Traits in *Elizabethkingia meningoseptica*: An Opportunistic Nosocomial Pathogen. *Omics: a journal of integrative biology*. 2019 Jun 1;23(6):318-26. doi: [10.1089/omi.2019.0039](https://doi.org/10.1089/omi.2019.0039). PMID: 3112038
39. Mohanty AK, Dey G, Kumar M, Sreenivasamurthy SK, Garg S, Prasad TSK, Kumar A. Proteome data of female *Anopheles stephensi* antennae. *Data in brief*. 2019 Jun 1;24:103911. doi: [10.1016/j.dib.2019.103911](https://doi.org/10.1016/j.dib.2019.103911), PMID:31049374
40. Venkatesan J, Anil S, Rao S, Bhatnagar I, Kim SK. Sulfated Polysaccharides from Macroalgae for Bone Tissue Regeneration. *Current pharmaceutical design*. 2019 Mar 1;25(11):1200-9. doi: [10.2174/1381612825666190425161630](https://doi.org/10.2174/1381612825666190425161630). PMID: 31465280
41. Choi DG, Venkatesan J, Shim MS. Selective Anticancer Therapy Using Pro-Oxidant Drug-Loaded Chitosan–Fucoidan Nanoparticles. *International journal of molecular sciences*. 2019 Jan;20(13):3220. doi: [10.3390/ijms20133220](https://doi.org/10.3390/ijms20133220). PMID:31262038
42. Ashwini P, Rekha PD. Lupeol from *Nyctanthes arbor-tristis* Inhibits Matrix Metalloproteinase Activity, Angiogenesis and Proliferation of Glioma Cells. *Pharmaceutical Chemistry Journal*. 2019 May 5;53(2):160-4. doi.org/[10.1007/s11094-019-01971-8](https://doi.org/10.1007/s11094-019-01971-8)
43. Bhagya N, Chandrashekhar KR, Prabhu A, Rekha PD. Tetrandrine isolated from *Cyclea peltata* induces cytotoxicity and apoptosis through ROS and caspase pathways in breast and pancreatic cancer cells. *In Vitro Cellular & Developmental Biology-Animal*. 2019 May 15;55(5):331-40. doi: [10.1007/s11626-019-00332-9](https://doi.org/10.1007/s11626-019-00332-9) PMID: 30945115
44. Patil K, Yelamanchi S, Kumar M, Hinduja I, Prasad TSK, Gowda H, Mukherjee S. Quantitative mass spectrometric analysis to unravel glycoproteomic signature of follicular fluid in women with polycystic ovary syndrome. *PloS one*. 2019;14(4). doi.org/[10.1371/journal.pone.0214742](https://doi.org/10.1371/journal.pone.0214742)
45. Rajesh P Shastry, Mohammed Aman, “Rapid Characterization of Quorum Sensing Inhibitory Molecules from *Garcinia indica* Choisy Seed Methanol Extract by GC-MS Analysis”, *Current Bioactive Compounds*. 2019. 15; 1:1875, doi : [10.2174/1573407215666190408120140](https://doi.org/10.2174/1573407215666190408120140)

46. Sinha S, Ray A, Abhilash L, Kumar M, Sreenivasamurthy SK, Prasad TSK, Inamdar MS. Proteomics of Asrij perturbation in Drosophila lymph glands for identification of new regulators of hematopoiesis. *Molecular & Cellular Proteomics*. 2019 Jun 1;18(6):1171-82: doi: 10.1074/mcp.RA119.001299. PMID:30923041.
47. Rajesh K, Crasta V, Kumar NR, Shetty G, Rekha PD. Structural, optical, mechanical and dielectric properties of titanium dioxide doped PVA/PVP nanocomposite. *Journal of Polymer Research*. 2019 Apr 1;26(4):99. doi.org/10.1007/s10965-019-1762-0
48. Manzoor MA, Agrawal AK, Singh B, Mujeeburahiman M, Rekha PD. Morphological characteristics and microstructure of kidney stones using synchrotron radiation µCT reveal the mechanism of crystal growth and aggregation in mixed stones. *PloS one*. 2019 Nov;14(3). doi.org/10.1371/journal.pone.0214003. PMID:30901364
49. Sahana TG, Rekha PD. A bioactive exopolysaccharide from marine bacteria Alteromonas sp. PRIM-28 and its role in cell proliferation and wound healing in vitro. *International journal of biological macromolecules*. 2019 Jun 15;131:10-18. doi: 10.1016/j.ijbiomac.2019.03.048 PMID:30851325
50. Mubarak Ali D, Manzoor MA, Sabarinathan A, Anchana C, Rekha PD, Thajuddin N, Lee SY. An investigation of antibiofilm and cytotoxic property of MgO nanoparticles. *Biocatalysis and Agricultural Biotechnology*, 2019 Mar; 18 :101069 doi.org/10.1016/j.bcab.2019.101069
51. Advani J, Verma R, Chatterjee O, Pachouri PK, Upadhyay P, Singh R, Yadav J, Naaz F, Ravikumar R, Buggi S, Suar M, Gupta UD, Pandey A, Chauhan DS, Tripathy SP, Gowda H, Prasad TSK. Whole Genome Sequencing of *Mycobacterium tuberculosis* Clinical Isolates From India Reveals Genetic Heterogeneity and Region-Specific Variations That Might Affect Drug Susceptibility. *Frontiers in Microbiology*. 2019 Feb 26;10:309. doi: 10.3389/fmicb.2019.00309. PMID: 30863380
52. Santosh R, Prabhu A, Selvam MK, Krishna PM, Nagaraja GK, Rekha PD. Design, synthesis, and pharmacology of some oxadiazole and hydroxypyrazoline hybrids bearing thiazoyl scaffold: antiproliferative activity, molecular docking and DNA binding studies. *Helion*. 2019 Feb 1;5(2):01255. doi: 10.1016/j.heliyon.2019.e01255 PMID:30886919
53. Menon D, Singh K, Pinto SM, Nandy A, Jaisinghani N, Kutum R, Dash D, Prasad TSK, Gandotra S. Quantitative lipid droplet proteomics reveals *Mycobacterium tuberculosis* induced alterations in macrophage response to infection. *ACS infectious diseases*. 2019 Jan 21;5(4):559-69. doi: 10.1021/acsinfecdis.8b00301 PMID:30663302
54. Shaikh SB, Prabhu A, Bhandary YP. Interleukin-17A: A Potential Therapeutic Target in Chronic Lung Diseases. *Endocrine, Metabolic & Immune Disorders-Drug Targets* (Formerly *Current Drug Targets-Immune, Endocrine & Metabolic Disorders*). 2019 Nov 1;19(7):921-8. doi.org/10.3945/jn.114.194571

55. Mohanty V, Subbannayya Y, Najar MA, Pinto SM, Kasaragod S, Karuppiah H, Sreeramulu B, Singh KK, Dalal S, Manikkoth S, Arunachalam C. Proteomics and Visual Health Research: Proteome of the Human Sclera Using High-Resolution Mass Spectrometry. *Omics: a journal of integrative biology*. 2019 Feb 1;23(2):98-110. doi: [10.1089/omi.2018.0185](https://doi.org/10.1089/omi.2018.0185). PMID: 30767726
56. Vipin C, Mujeeburahiman M, Arun AB, Ashwini P, Mangesh SV, Rekha PD. Adaptation and diversification in virulence factors among urinary catheter-associated *Pseudomonas aeruginosa* isolates. *Journal of applied microbiology*. 2019 Feb;126(2):641-50. doi: [10.1111/jam.14143](https://doi.org/10.1111/jam.14143). PMID: 30372578
57. Shastry RP, Rekha PD, Rai VR. Biofilm inhibitory activity of metallo-protein AHL-lactonase from cell-free lysate of endophytic Enterobacter species isolated from *Coscinium fenestratum* Gaertn. *Biocatalysis and agricultural biotechnology*. 2019 Mar 1;18:1 1878-81. doi: [10.1016/j.bcab.2019.01.047](https://doi.org/10.1016/j.bcab.2019.01.047)
58. Kumar M, Mohanty AK, Dey G, Sreenivasamurthy SK, Kumar A, Prasad K. Dataset on fat body proteome of *Anopheles stephensi* Liston. *Data in brief*. 2019 Feb 1;22:1068-73. doi: [10.1016/j.dib.2019.01.016](https://doi.org/10.1016/j.dib.2019.01.016). PMID: 30740495
59. Manzoor MA, Mujeeburahiman M, Duwal SR, Rekha PD. Investigation on growth and morphology of in vitro generated struvite crystals. *Biocatalysis and agricultural biotechnology*. 2019 Jan 1;17:566-70. doi: [10.1016/j.bcab.2019.01.02](https://doi.org/10.1016/j.bcab.2019.01.02)
60. Deolankar SC, Patil AH, Koyangana SG, Subbannayya Y, Prasad TSK, Modi PK. Dissecting Alzheimer's Disease Molecular Substrates by Proteomics and Discovery of Novel Post-translational Modifications. *OMICS: A Journal of Integrative Biology*. 2019 Jul 1;23(7):350-61. doi: [10.1089/omi.2019.0085](https://doi.org/10.1089/omi.2019.0085). PMID:31225774
61. Subbannayya Y, Pinto SM, Bösl K, Prasad TSK, Kandasamy RK. Dynamics of dual specificity phosphatases and their interplay with protein kinases in immune signaling. *International journal of molecular sciences*. 2019 Jan;20(9):2086. doi: [10.3390/ijms20092086](https://doi.org/10.3390/ijms20092086). PMID:31035605
62. Kapoor S, Bose B, Shenoy PS, CD34 cells in somatic, regenerative and cancer stem cells: Developmental biology, cell therapy, and omics big data perspective ,*journal of cellular biochemistry* 2019 Dec 30. doi.org/10.1002/jcb.29571

2018

1. Ismail M, Nagaraj D, Rajagopal M, Ansari H, Nair M, **Hegde A, Rekha PD**. Long term outcome from sleeve gastrectomy: 7 year follow up study. *Obesity Surgery*. 2018 Sep 20.
2. **Vipin C**, Mujeeburahiman M, **Arun AB**, **Ashwini P**, **Mangesh SV**, **Rekha PD**. Adaptation and diversification in virulence factors among urinary catheter-associated *Pseudomonas aeruginosa* isolates. *Journal of Applied Microbiology*. 2018 Oct 29.
3. Abdulla R, Adyanthaya S, Kini P, **Mohanty V**, D'Souza N, **Subbannayya Y**. Clinico-pathological analysis of oral squamous cell carcinoma among the younger age group in coastal Karnataka, India- A retrospective study. *Journal of Oral and Maxillofacial Pathology*. 2018; 22; 180-187.
4. Advani J, Sharma K, Verma R, Chatterjee O, Solanki HS, Sharma A, Varma S, Modi M, Sharma RP, M, Dhillion, MS, Pandey, A, **Gowda, H, Prasad, TSK**. Data on whole genome sequencing of extrapulmonary tuberculosis clinical isolates from India. *Data in Brief*. 2018.
5. **Hegde PR**, Shenoy MM, Shekar BH. Comparison of machine learning algorithms for skin disease classification using color and texture features. *2018 International Conference on Advances in Computing, Communications and Informatics (ICACCI)*, Bangalore, India, 2018; 1825-1828.
6. Anil K, **Ashwini P**, **Sindhu Priya ES**, Ravichandra K, Parmod Kumar, Nitin G, **Rahyanath PK**. Valproate: Its effects on hair. *International Journal of Trichology*. 2018; 10(4): 150–153.
7. Anil K, **Sindhu Priya ES**, **Ashwini P**, Ravichandra K, Parmod Kumar, Nitin G, Rahyanath PK. Topical Valproate solution for hair growth. *Online Journal of Health and Allied Sciences*. 2018; 17: 1-2.
8. Arun KG, Sadasivan C. Bisphenol-A carbonate dimer is a more preferred substrate for laccase mediated degradation than the Biphenol-A in its monomeric and dimeric forms. *International Biodeterioration and Biodegradation*. 2018; 135(C): 19-23.
9. Arun PVPS, Miryala SK, Rana A, Kurukuti S, Akhter Y, **Yellaboina S**. System-wide coordinates of higher order functions in host-pathogen environment upon Mycobacterium tuberculosis infection. *Scientific Reports*. 2018; 8:5079.
10. Babu N, Advani J, Solanki HS, Patel K, Jain AP, Khan AA, Radhakrishnan A, Sahasrabuddhe NA, Mathur PP, Nair B, **Prasad TSK**, Chang X, Sidransky D, Gowda H, Chatterjee, A. miRNA and proteomic dysregulation in non-small cell lung cancer in response to cigarette smoke. *MicroRNA*. 2018; 7.
11. Babu N, Mohan S, Nanjappa V, Chavan S, Advani J, Khan AA, Renuse S,

- Radhakrishnan A, **Prasad TSK**, Kumar RV, Ray JG, Biswas M, Thyagarajan S, Califano JA, Sidransky D, **Gowda H**, **Chatterjee A**. Identification of potential biomarkers of head and neck squamous cell carcinoma using iTRAQ based quantitative proteomic approach. *Data in Brief*. 2018;19: 1124-1130.
- 12. Bannerjee D, Kumar M, **Prasad TSK**, Natarajan A, Christopher R, Bindu PS, Gayathri N*, Nalini A, Bharath MMS*. Mitochondrial dysfunction in human skeletal muscle biopsies of lipid storage disorder. *Journal of Neurochemistry*. 2018;
 - 13. Barua P, Lande NV, **Subba P**, Gayen D, **Pinto S**, **Prasad TSK**, Chakraborty S, Chakraborty N. Dehydration-responsive nuclear proteome landscape of chickpea (*Cicer arietinum* L.) reveals phosphorylation-mediated regulation of stress response. *Plant, Cell & Environment*. 2018;1-15.
 - 14. Bhat MY, Advani J, Rajagopalan P, Patel K, Nanjappa V, Solanki HS, **Patil AH**, Bhat FA, Mathur PP, Nair B, **Prasad TSK**, Califano JA, Sidransky D, Gowda H, Chatterjee A. Cigarette smoke and chewing tobacco alter expression of different sets of miRNAs in oral keratinocytes. *Scientific Reports*. 2018.
 - 15. Bhat SA, **Gurtoo S**, **Deolankar SC**, Fazili KM, Advani J, Shetty R, **Prasad TSK**, Andrabi S, **Subbannayya Y**. A network map of netrin receptor UNC5B-mediated signaling. *Journal of Cell Communication and Signaling*. 2018.
 - 16. **Bose B**, **Sen U**, **Shenoy PS**. Breast cancer stem cell therapeutics, multiple strategies versus using engineered mesenchymal stem cells with notch inhibitory properties: Possibilities and Perspectives. *Journal of Cellular Biochemistry*. 2018; 119(1):141-9.
 - 17. Chorzalska A, Ahsan N, **Rao RSP**, Roder K, Yu X, Morgan J, Tepper A, Hines S, Zhang P, Treaba DO, Zhao 40 TC, Olszewski AJ, Reagan J, Liang O, Gruppuso PA, Dubielecka PM. Overexpression of Tpl2 is linked to imatinib resistance and activation of MEK-ERK and NF- κ B pathways in a model of Chronic Myeloid Leukemia. *Molecular Oncology*. 2018;12.
 - 18. **Dey G**, Mohanty AK, Kumar M, Sreenivasamurthy SK, Kumar A and **Prasad TSK**. Proteome data of *Anopheles stephensi* hemolymph using high resolution mass spectrometry. *Data in Brief*. 2018; 18: 1441-47.
 - 19. **Dey G**, Mohanty AK, Kumar M, Sreenivasamurthy SK, **Patil AH**, **Prasad, TSK**, and Kumar A (2018). Proteome data of *Anopheles stephensi* ovary using high-resolution mass spectrometry. *Data in Brief*. 20: 723–731.
 - 20. Dhandapani G, Sikha T, **Pinto SM**, Kumar KM, Patel K, Kumar M, Kumar V, Tennyson J, Satheeshkumar PK, **Gowda H**, **Prasad TSK**, Madanan MG. Proteomic approach and expression analysis revealed the differential expression of predicted leptospiral proteases capable of ECM degradation. *BBA – Proteins and Proteomics*. 2018;1866(5-6):712-721.
 - 21. Divya LM, Prasantha GK, Elna Paul Chalisserry, Seung Yun Nam, **Venkatesan J**,

- Sukumaran Anil. Isolation and characterization of nanorod shaped crystalline hydroxyapatite from parrotfish bone. *Journal of Biomaterials and Tissue Engineering*. 2018; 8(4): 473-481.
- 22. Ghattargi V, **Suryavanshi M**, Kalam S, Shouche Y, Meti B. Need to explore camel milk as probiotics. *Current Science*. 2018; 114(3): 425-26.
 - 23. **Gouda MM, Bhandary YP**. IL-17A mediated downstream changes during acute lung injury. *Biochemistry & Molecular Biology Journal*. 2018; 4(2):13.
 - 24. **Gouda MM*, Bhandary YP**. Important health benefits of curcumin consumption in regular diet. *Journal of Clinical Nutrition and Metabolism*. 2018;2:2.
 - 25. **Gouda MM, Ashwini P, Bhandary YP**. IL-17A suppresses and curcumin up-regulates Akt expression upon bleomycin exposure. *Molecular Biology Reports*.
 - 26. **Gouda MM, Ashwini P, Bhandary YP**. Nano-curcumin regulates p53 phosphorylation and PAI-1 expression during bleomycin induced injury in alveolar basal epithelial cells. *Current Bioactive compounds*. 2018; 14.
 - 27. **Gouda MM, Bhandary Y**. Curcumin down-regulates IL-17A mediated p53-fibrinolytic system in bleomycin induced acute lung injury *in vivo*. *Journal of Cellular Biochemistry*. 2018; 1-15.
 - 28. **Gouda MM, Bhandary Y**. Natural antibiotic effect of turmeric in poultry management. *International Journal of Poultry and Fisheries Sciences*. 2018; 2(1):1-3.
 - 29. **Gouda MM, Bhandary YP**. A healthy curcumin diet to dissolve over fat and weight control. *BAOJ Obesity & Weight Loss Management*. 2018;4:1
 - 30. **Gouda MM, Prabhu A, Bhandary YP**. A Curcumin alleviates IL-17A- mediated p53-PAI- 1 expression in bleomycin - induced alveolar basal epithelial cells. *Journal of Cellular Biochemistry*. 2018;119(2):2222-30.
 - 31. **Gouda MM, Shaikh SB, Bhandary YP**. Inflammatory and Fibrinolytic System in AcuteRespiratory Distress Syndrome. *Lung*. 2018; 18:1-8.
 - 32. **Gouda MM, Shaikh SB, Chengappa D, Kandhal I, Shetty A and Bhandary Y** (2018) Changes in the expression level of inflammatory cytokines and p53-fibrinolytic system in Smokers with or without COPD. *Molecular Biology Report*. 2018.
 - 33. Gowthami NB, Sunitha B, Kumar M, **Prasad TSK**, Gayathri N, Padmanabhan B, Bharath MMS. Mapping the protein phosphorylation sites in human mitochondrial complex I (NADH: ubiquinone oxidoreductase): A bioinformatics study with implications for brain aging and neurodegeneration. *Journal of Chemical Neuroanatomy*. 2018.
 - 34. Jani K, Dhotre D, Bandal J, Shouche S, **Suryavanshi M**, Rale V, Sharma A. World's largest mass bathing event influences the bacterial communities of Godawari, a holy river of India. *Microbial Ecology*. 2018.
 - 35. Harish KV, Rao BL, Asha S, **C Vipin**, Sangappa Y. Structural mechanical and

- antibacterial properties of HPMC/SF-AgNPs nanocomposite films. *AIP Conference Proceedings*. 2018;1942(1).
- 36. Shabeena KS, Bhargava R, **Manzoor APM**, Mujeeburahiman M. Characteristics of bacterial colonization after indwelling double -J ureteral stents for different time duration. *Urology Annals*. 2018;10 (1):71-75.
 - 37. Karthikkeyan G, **Subbannayya Y**, Najar MA, Mohanty V, Pinto SM, Arunachalam C, **Prasad TSK**, and Murthy K.R. Human optic nerve – an enhanced proteomic expression profile. *OMICS: A Journal of Integrative Biology*. 2018. 22: 642-652.
 - 38. Khan AA, Advani J, Patel K, Nanjappa V, **Datta KK**, Solanki HS, Kumar P, Mathur PP, Nair BP, **Prasad TSK**, Chatterjee A, Gowda H. Chronic exposure of cigarette smoke and chewing tobacco alters expression of microRNAs in esophagealepithelialcells. *MicroRNA*. 2018; 7.
 - 39. Khan AA, Mangalaparthi KK, Advani J, **Prasad TK**, Gowda H, Jain D, Chatterjee A. Data from quantitative proteomic analysis of lung adenocarcinoma and squamous cell carcinoma primary tissues using high resolution mass spectrometry. *Data in Brief*. 2018; 19: 1631-7.
 - 40. Kumar M, Varun C, Dey G, Ravikumar R, Mahadevan A, Shankar SK, **Prasad TSK**. Identification of Host Response in Cerebral Malaria Patients Using Quantitative Proteomic Analysis. *Proteomics: Clinical Applications*. 2018; 12(4).
 - 41. Kuriakose GC, **Lakshmanan MD**, Arathi BP, Kumar HRS, Anantha Krishna TH, Ananthaswamy K, Jayabhaskaran C. Extract of *Penicillium sclerotiorum* an endophytic fungus isolated from *Cassia fistula L.* induces cell cycle arrest leading to apoptosis through mitochondria membrane depolarization in human cervical cancer cells. *Biomedicine & Pharmacotherapy*. 2018; 105: 1062-1071.
 - 42. **Lakshmanan MD**, Prasantha GK, Arun KG, Sadasivan C. Bisphenol-A carbonate dimer is a more preferred substrate for laccase mediated degradation than the Biphenol-A in its monomeric and dimeric forms. *International Biodeterioration & Biodegradation*. 2018; 135(C): 19-23.
 - 43. Mahesh HB, **Subba P**, Advani J, Shirke MD, Loganathan RM, Chandana S, Shilpa S, Chatterjee O, Pinto SM, Prasad TSK, Gowda M. Multi-omics driven assembly and annotation of the sandalwood (*Santalum album*) genome. *Plant Physiology*. 2018;176(4):2772-2788.
 - 44. Khaitan M, Hegde A, **Rekha PD**. Bariatric Surgery in Immunocompromised Patients: Outcomes from One Year Follow-up. *Obesity Surgery*. 2018.
 - 45. **Manisha H**, **Shwetha PD**, Yoon-Bo Shim, **Prasad KS**. Microwave assisted synthesis of hybrid Cu₂O microcubes for photocatalysis and electrocatalysis. *Materials Today: Proceedings*. 2018;5(8):16390-16393.

46. **Manzoor MAP**, Singh B, Agarwal AK, **Arun AB**, Mujeeburahiman M, **Rekha PD**. Morphological and micro tomographic study on evolution of struvite in synthetic urine infected with bacteria and investigation of its pathological biominerization. *PLOS One*. 2018.
47. **Manzoor MAP**, Duwal S, Mujeeburahiman M, **Rekha PD**. Vitamin C inhibits crystallization of struvite from artificial urine in presence of *Pseudomonas aeruginosa*. *International Brazilian Journal of Urology*. 2018.
48. **Manzoor MAP**, Mujeeburahiman M, **Rekha PD**. Electron probe micro-analysis reveals the complexity of mineral deposition mechanisms in urinary stones. *Urolithiasis*. 2018.
49. Mohanty AK., **Dey G**, Kumar M, Sreenivasamurthy SK, Garg S, **Prasad TSK**. Kumar A. Mapping *Anopheles stephensi* midgut proteome using high-resolution mass spectrometry. *Data in Brief*. 2018;17:1295-1303.
50. Mol P, Kannegundala U, **Dey G**, Gopalkrishnan L, Dammalli M, Kumar M, **Patil A**, Basavaraju M, Rao A, Ramesha KP, **Prasad TSK**. Bovine Milk Comparative Proteome Analysis from Early, Mid and Late Lactation in the Cattle Breed, Malnad Gidda (*Bos indicus*). *OMICS: A Journal of Integrative Biology*. 2018.
51. **Manzoor MAP**, Shabeena KS, Mujeeburahiman M, Khan A. Indwelling J Ureteral Stents Associated Asymptomatic Bacteraemia Caused by Multidrug Resistant Strain of *Kocuria kristinae*. *Journal of Clinical and Diagnostic Research*; 2018; 12(5): PD15-PD16.
52. Nadella V, Mohanty A, Sharma L, **Yellaboina**, Mollenkopf HJ, Mazumdar BV, Palaparthi R, Mylavarapu MB, Maurya R, Kurukti S, Rudel T, Prakash H. Inhibitors of Apoptosis Protein Antagonists (Smac Mimetic Compounds) Control Polarization of Macrophages during Microbial Challenge and Sterile Inflammatory Responses. *Frontiers in Immunology*. 2018; 9; 8: 1792.
53. Noumi E, Snoussi, M, **Alreshidi MM**, **Rekha PD**, **Saptami K**, Caputo L, De Martino L, Souza LF, Msaada K, Mancini E, Flaminii G, Al-sieni A, De Feo V. Chemical and biological evaluation of essential oils from cardamom species. 2018; 23(18).
54. **Patil AH**, **Datta KK**, **Behera SK**, **Kasaragod S**, **Pinto SM**, Koyangana SG, Mathur PP, Gowda H, Pandey A, **Prasad TSK**. Dissecting Candida pathobiology: Post-translational modifications on the *Candida tropicalis* proteome. *OMICS: A Journal of Integrative Biology*. 2018.
55. **Pinto SM**, Verma R, Advani J, **Chatterjee O**, **Patil AH**, Kapoor S, **Subbannayya Y**, Raja R, Gandotra S, **Prasad TS**. Integrated multi-omic analysis of *M. tuberculosis* H37Ra redefines virulence attributes. *Frontiers in Microbiology*. 2018.
56. **Pinto SM**, **Subbannayya Y**, **Rex DAB**, Raju R, Chatterjee O, Advani J, Radhakrishnan A, **Prasad TSK**, Wani MR, Pandey A. A network map of IL-33

- signaling pathway. *The Journal of Cell Communication and Signaling*. 2018;1–10.
- 57. Pinto SM, Subbannayya Y, Prasad, TSK. Functional Proteomic Analysis to Characterize Signaling Crosstalk. *Methods in Molecular Biology*. Functional proteomics: Methods and Protocols. 2018.
 - 58. Priya Swetha PD, Manisha H, Suriani Abu Bakar, Yoon-Bo Shim, Prasad KS. Antimicrobial Properties of Sonochemically Treated Graphene Oxides Sheets. *Materials Today: Proceedings*. 2018; 5(8): 16669-16674.
 - 59. Raghavendra U, Rao A, Kashyap SR, D'Souza J, Kumar V, Kalal BS, D'Souza N. Vitamin C supplementation as an adjunct to nonsurgical therapy in the treatment of chronic periodontitis: A clinical and Biochomial study. *Journal of International Oral Health*. 2018; 10(5): 256-61.
 - 60. Rajagopalan P, Nanjappa V, Patel K, Jain AP, Mangalaparthi KK, Patil AH, Nair B, Mathur PP, Prasad TSK, Califano JA, Sidransky D, Gowda H, Chatterjee A. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells. *Journal of Cell Communication and Signaling*. 2018.
 - 61. Rajagopalan P, Patel K, Jain AP, Nanjappa V, Datta KK, Subbannayya T, Mangalaparthi KK, Kumari A, Manoharan M, Karunakaran C, Murugan S, Nair B, Prasad TSK, Mathur PP, Gupta R, Gupta R, Khanna-Gupta A, Califano JA, Sidransky D, Gowda H, Chatterjee A. Molecular alterations associated with chronic exposure to cigarette smoke and chewing tobacco in normal oral keratinocytes. *Cancer Biology & Therapy*. 2018;1-13.
 - 62. Rao RSP, Zhang N, Xu D, Moller LM. CarbonylDB: a curated data-resource of protein carbonylation sites. *Bioinformatics*. 2018 Jul 15;34(14):2518-2520.
 - 63. Sahana TG, Rekha PD. Biopolymers: Applications in wound healing and skin tissue engineering. *Molecular Biology Reports*. 2018.
 - 64. Sahana TG, Sadiya MKF, Rekha PD. Emulsifying and cell proliferative abilities of the exopolysaccharide produced by leguminous plant nodule associated bacterium cronobacter sp. *Journal of Polymers and the Environment*. 2018;1-7.
 - 65. Sahu A, Gopalakrishnan L, Gaur N, Chatterjee O, Mol P, Modi PK, Dagamajalu S, Advani J, Jain S, Prasad TSK. The 5-Hydroxytryptamine signaling map: an overview of the serotonin-serotonin receptor-mediated signaling network. *Journal of Cell Communication and Signaling*. 2018; Jul 24.
 - 66. Santosh R, Selvam MK, Kanekar SU, Nagaraja GK, Kumar M. Design, Synthesis, DNA Binding, and Docking Studies of Thiazoles and Thiazole-Containing Triazoles as Antibacterials. *Chemistry Select*. 2018; 3(14):3892-8.
 - 67. Santosh R, Selvam MK, Kanekar SU, Nagaraja GK. Synthesis, Characterization, Antibacterial and Antioxidant Studies of Some Heterocyclic Compounds from Triazole Linked Chalcone Derivatives. *Chemistry Select*. 2018; 3(23):6338-43.

68. Sheikh S, Sheik S, Nairy R, **Prabhu A**, Rekha PD, Prashantha K, Nagaraja GK. Study on the morphological and biocompatible properties of chitosan grafted silk fibre reinforced PVA films for tissue engineering applications. *IJBIMAC*. 2018.
69. Parveen S, Shetty R, Husain A, Mascarenhas R, **Neevan D'Souza N**, Shetty NK. Three dimensional assessment of alveolar bone thickness in individuals with nonsyndromic unilateral complete cleft lip and palate. *Journal of Cleft Lip Palate and Craniofacial Anomalies*. 2018; 5(2):106-112.
70. Sheik SB, Prabhu A, Bhandary YP. Targeting anti-aging protein Sirtuin (Sirt) in the diagnosis of Idiopathic Pulmonary Fibrosis. *Journal of Cellular Biochemistry*. 2018.
71. **Shenoy PS, Sen U, Kapoor S**, Ranade AV, Chowdhury CR, **Bose B**. Sodium fluoride induced skeletal muscle changes: Degradation of proteins and signaling mechanism. *Environmental Pollution*. 2018; 244: 534- 48.
72. **Shwetha PD, Manisha H, Prasad KS**. Graphene and Graphene-based materials in Biomedical Science. *Particle and Particle Systems Characterization*. 2018.
73. **Sneha SR, Sahana TG, Ashwini P, Rekha PD**. Diabetic wound management. *British Journal of Community Nursing*. 2018, 23 (Sup9): S16-S22.
74. Snoussi M, Noumi E, **Rekha PD**, Trabelsi N, **Kanekar S**, Nazzaro F, Fratianni F, Flaminii G, De Feo V, Al-Sieni A. Antioxidant properties and anti-quorum sensing potential of *Carum copticum* essential oil and phenolics against *Chromobacterium violaceum*. *Journal of Food Science and Technology*. 2018;9(78):1-9.
75. Solanki HS, Raja R, Zhavoronkov A, Ozerov IV, Artemov AV, Advani J, Radhakrishnan A, Babu N, Puttamallesh VN, Syed N, Nanjappa V, Subbannayya T, Sahasrabuddhe NA, **Patil AH, Prasad TSK**, Daria G, Chang X, Sathyendran R, Mathur PP, Rangarajan A, Sidransky D, Pandey A, Evgeny I, Gowda H, Chatterjee A. Targeting Focal Adhesion Kinase overcomes erlotinib resistance in smoke induced lung cancer by altering phosphorylation of Epidermal Growth Factor Receptor. *Oncoscience*. 2018;5(1-2):21-38.
76. Sreenivasamurthy SK, Dey G, Kumar M, Mohanty AK, Kumar A, **Prasad, TSK**. Quantitative proteome of midgut, Malpighian tubules, ovaries and fat body from sugar-fed adult *An. stephensi* mosquitoes. *Data in Brief*. 2018.
77. Subba S, **Pinto SM, Kasaragod S**, Chatterjee O, Najar AM, **Prasad TSK**. Nuclear proteome of an orphan legume - *Cajanuscajan* L. *Journal of Proteins and Proteomics*. 2018.
78. **Subbannayya Y, Karthikkeyan G, Pinto SM, Kapoor S, Tyagi A, Pervaje SK, Pervaje R, Prasad TSK**. Global metabolite profiling and network pharmacology of Triphala identifies neuromodulatory receptor proteins as potential targets. *Journal of Proteins and Proteomics*. 2018.

79. **Suryavanshi M**, Bhute S, Kajale S, Gune R, Shouche Y. Molecular imprints of bacteria in oxalate containing kidney stone: A preliminary report. *Journal of Clinical and Diagnostic Research* 2018; 12(3).
80. **Suryavanshi MV**, Bhute SS, Gune RP, Shouche YS. Functional eubacteria species along with trans-domain gut inhabitants favour dysgenic diversity in oxalate stone disease. *Scientific Reports*. 2018; 8:16598.
81. **Venkatesan J**, Singh SK, Anil S, Kim SK, Shim MS. Preparation, characterization and biological applications of biosynthesized silver nanoparticles with chitosan – fucoisan coating. *Molecules*. 2018; 23(6):1429.
82. **Venkatesan, J, Rekha PD**, Anil S, Bhatnagar I, Sudha P, Dechsakulwatana D, Kim SK, Shim MS. Hydroxyapatite from Cuttlefish Bone: Isolation, Characterizations, and Applications. *Biotechnology and Bioprocess Engineering*. 2018; 23(4): 383-393.
83. **Vijayan SP, Rekha PD, Arun AB**. Role of PI₃K-Akt and MAPK signalling in uranyl nitrate- Induced nephrotoxicity. *Biological Trace Element Research*.
84. Kamat V, Suresh P, Adiga G, Rajeena CHA, **Kanekar SU, Rekha PD**. Design facile synthesis and pharmacological evaluation of hybrid 1, 3, 4-Thiadiazole linked chalcone confined via sulphur bridge. *Heterocyclic Letters*. 8(3):671-678.
85. Zhang N, **Rao RSP**, Salvato F, Havelund JF, Møller IM, Thelen JJ, Xu D (). MU-LOC: A deep neural network method for predicting mitochondrially localized proteins in plants. *Frontiers in Plant Science*. 2018; 9: 0.

Book Chapter:

1. Pinto SM, Subbannayya Y, Prasad TSK. “Functional Proteomic Analysis to Characterize Signaling Crosstalk” In: Functional Proteomics: Methods and Protocols. X. Wang and M. Kuruc Editors. New York, NY, Springer New York, 2019: 197-224.
2. **Shastry RP**, Rai VR. Market Potential of Food Nanotechnology Innovations. Edited book. Nanotechnology innovations in the food industry. CRC Press, London
3. **Venkatesan J**, Keekan KK, Anil S, Bhatnagar I, Kim SK. Phlorotannin. Encyclopedia of Food Chemistry (accepted).
4. **Johnson RP, Preman NK**. Responsive block copolymers for drug delivery applications (part-1). Endogenous stimuli responsive drug release systems. Stimuli responsive polymeric nanocarries for drug delivery applications Volume 1, Types and Triggers, Woodhead publishing Series in Biomaterials, 2018: 171-220 (Chapter-7, 1st edition). Elsevier 2018. ISBN: 9780081019979 (Scopus)
5. **Johnson RP, Preman NK**. Responsive block copolymers for drug delivery applications (part-2). Exogenous stimuli responsive drug release systems. Stimuli responsive polymeric nanocarries for drug delivery applications Volume 1, Types

- and Triggers, Woodhead publishing Series in Biomaterials, 2018; 221-246 (Chapter - 8, 1st edition). Elsevier 2018. ISBN: 9780081019979 (Scopus)
6. **Manisha H, Swetha PDP, Prasad KS**, Bhattacharyya S, et.al. (eds). Low-Cost Paper Analytical Device for Environmental and Biomedical sensing application, in Environmental, Chemical and Medical Sensors (Energy, Environment, and Sustainability). Springer Nature Singapore Pvt. Ltd. 2018, Pp: 315-342. ISBN: 978-981- 10- 7750-0.

2017

1. Waghmode S, Dama L, Hingamire T, Bharti N, Doijad S, **Suryavanshi M.** Draft genome sequence of a biosurfactant producing *Bacillus aquimaris* strain SAMM MCC 3014 isolated from Indian Arabian coastline sea water. *Journal of Genomics*. 2017; 5: 124-7.
2. Sangappa Y, Latha S, Asha S, **Sindhu P**, Parashuram N, Shilpa M, Byrappa K, Narayana B. Synthesis of anisotropic silver nanoparticles using silk fibroin: characterization and antimicrobial properties. *Materials Research Innovations*. 2017; doi.org/10.1080/14328917.2017.1383680.
3. Sen U, Shenoy PS, **Bose B**. Opposing effects of low versus high concentrations of water soluble vitamins/ dietary ingredients Vitamin C and niacin on colon cancer stem cells (CSCs). *Cell Biology International*. doi: 10.1002/cbin.10830.
4. Gouda MM, Prabhu A, Bhandary YP. A Curcumin alleviates IL-17A- mediated p53-PAI-1 expression in bleomycin- induced alveolar basal epithelial cells. DOI: 10.1002/jcb.26384.
5. **Hegde PR**, Shenoy MM, Shekar BH. Noise removal in dermoscopic images using a novel software. *Indian Dermatology Online Journal*. 2017; 8(6): 513-514.
6. Advani J, **Subbannayya Y**, Patel K, Khan A, **Patil AH**, Jain AP, Solanki HS, Radhakrishnan A, **Pinto SM**, Sahasrabudde NA, Thomas JK, Mathur PP, Nair BG, Chang X, **Prasad TSK**, Sidransky D, **Gowda H**, **Chatterjee A**. Long term cigarette smoke exposure and changes in microRNA expression and proteome in non small cell lung cancer. *OMICS: A Journal of Integrative Biology*. 2017; 21(7):390-403.
7. Bose B, Sen U, Shenoy PS. Breast cancer stem cell therapeutics, multiple strategies versus using engineered mesenchymal stem cells with notch inhibitory properties: Possibilities and Perspectives. *Journal of Cellular Biochemistry*. 2017. DOI 10.1002/jcb.26196.
8. Dammalli M, Murthy KR, **Pinto SM**, Murthy KB, Nirujogi RS, Madugundu AK, Dey G, Nair B, Gowda H, **Prasad TSK**. Towards post-genomics ophthalmology: A proteomic map of the human choroid-retinal *pigment epithelium tissue*. *OMICS: A Journal of Integrative Biology*. 2017; 21(2): 114-122.
9. Dhawan R, Kumar M, Mohanty AK, Dey G, Advani J, **Prasad TSK**, Kumar A. Mosquito-borne diseases and Omics: salivary gland proteome of the female *Aedes aegypti* mosquito. *OMICS: A Journal of Integrative Biology*. 2017; 21(1):45-54.
10. Dhawan R, Mohanty AK, Kumar M, Dey G, Advani J, **Prasad TSK**, Kumar A. Data from salivary gland proteome analysis of female *Aedes aegypti* Linn. *Data in Brief*. 2017; 13: 274-77.

11. Fernandes E, Dsouza N. Addressing inclusive ageing for sustainable global health futures. *MRIMS Journal of Health Sciences*. 2017; 5(2): 53-4.
12. Hariprasad TPN, Shetty NJ. Sublethal and transgenerational effects of alphamethrin on life history traits of *Anopheles stephensi* (Diptera: Culicidae), a malaria mosquito. *The Canadian Entomologist*. 2017; 149(2): 251-264. DOI: <https://doi.org/10.4039/tce.2016.57>.
13. Johnson RP, Uthaman S, Augustine R, Zhang Y, Jin H, Choic CI, Park IK, Kima Il. Glutathione and endosomal pH-responsive hybrid vesicles fabricated by zwitterionic polymer block poly (L-aspartic acid) as a smart anticancer delivery platform. *Reactive and Functional Polymers*. 2017; 119: 47-56. DOI: 10.1016/j.reactfunctpolym.2017.07.010.
14. Keekan KK, Jalondhara JC, Abhilash. Extraction of Ce and Th from Monazite Using REE Tolerant *Aspergillus niger*. *Mineral Processing and Extractive Metallurgy Review*. 2017; DOI: 10.1080/08827508.2017.1350956.
15. Kumar M, Mohanty AK, Sreenivasa murthy SK, Advani J, Pinto SM, Kumar A, Prasad TSK. Response to blood meal in the fat body of *Anopheles stehensi* using quantitative proteomics: towards new vector control strategies against malaria. *OMICS: A Journal of Integrative Biology*. 2017; (In press)
16. Kumar S, Kumar M, Ekka R, Dvorin JD, Paul AS, Madugundu AK, Gilberger T, Gowda H, Duraisingh, MT, Prasad TSK, Sharma P. PfCDPK1 mediated signaling in erythrocytic stages of *Plasmodium falciparum*. *Nature Communications*. 2017; 8(1): 63. doi: 10.1038/s41467-017-00053-1.
17. Lande NV, Subba P, Barua P, Gayen D, Prasad TSK, Chakraborty S, Chakraborty N. Dissecting the chloroplast proteome of chickpea (*Cicer arietinum L.*) provides new insights into classical and non-classical functions. *Journal of Proteomics*. 2017; doi: 10.1016/j.jprot.2017.06.005.
18. Mahesh MG, Yashodhar PB. Stem Cells and Lung Injury. *Journal of Stem Cell Research & Therapeutics*. 2017; 3(1): 00092.
19. Muthusamy B, Selvan LDN, Nguyen TT, Manoj J, Stawiski EW, Jaiswal BS, Wang W, Raja R, Ramprasad VL, Gupta R, Murugan S, Kadandale JS, Prasad TSK, Reddy K, Peterson A, Pandey A, Seshagiri S, Girimaji SC, Gowda H. Next generation sequencing reveals novel mutations in X-linked intellectual disability. *OMICS: A Journal of Integrative Biology*. 2017; 21(5): 295-303.
20. Nirujogi RS, Muthusamy B, Kim MS, Sathe GJ, Lakshmi PT, Kovbasnjuk ON, Prasad TSK, Wade M, Jabbour RE. Secretome analysis of diarrhea-inducing strains of *Eschrechia coli*. *Proteomics*. 2017; 17(6): doi: 10.1002/pmic.201600299.

21. Nirujogi RS, Muthusamy B, Kim MS, Sathe GJ, Lakshmi PTV, Kovbasnjuk ON, **Prasad TSK**, Wade M, Jabbour RE. Secretome analysis of diarrhea-inducing strains of *Eschrechia coli*. *Proteomics*. 2017.
22. **Rekha PD, Vasavi HS, Vipin C, Kanekar S, Arun AB**. A medicinal herb *Cassia alata* attenuates quorum sensing in *Chromobacterium violaceum* and *Pseudomonas aeruginosa*. *Letters in Applied Microbiology*. 2017; 64(3): 231-38.
23. Salian VV, Narayana B, Sarojini BK, **Sindhupriya ES**, Leelavathi N, Madhu, Shama Rao S. Biologically potent Pyrazoline Derivative from Versatile (2)-1-(4-Chlorophenyl)-3-[4-(propan-2-yl)phenyl]prop-2-en-1-one. *Letters in Drug Design & Discovery*. 2017; 14: 216-227.
24. **Shenoy PS, Bose B, Sen U**. Opposing effects of low versus high concentrations of water soluble vitamins / dietary ingredients vitamin c and niacin on colon cancer stem cells (CSCs). *Cell Biology International*. 2017; Doi: 10.1002/cbin. 10830.
25. **Shenoy PS, Bose B**. Hepatic perivascular mesenchymal stem cells with myogenic properties. *Journal of Tissue Engineering and Regenerative Medicine*. 2017; doi: 10.1002/term.2503.
26. **Shenoy PS, Bose B**. Identification, isolation, quantification and systems approach towards CD34, a biomarker present in the progenitor/ stem cells from diverse lineages. *Methods*. 2017.
27. Verma R, **Pinto SM**, Patil AH, Advani J, **Subba P**, Kumar M, Sharma J, Dey G, Ravikumar R, Buggi S, Satishchandra P, Sharma K, Suar M, Tripathy S, Chauhan DS, **Gowda H**, Pandey A, Gandotra S, **Prasad TS**. Quantitative proteomic and phosphoproteomic analysis of H37Ra and H37Rv strains of *Mycobacterium tuberculosis*. *Journal of Proteome Research*. 2017; 16(4): 1632-1645. Doi: 10.1021/acs.jproteome.6b00983.
28. **Vipin C, Prabhu A, AV Kavya, Rekha PD**. Overproduction of pyocyanin in *Pseudomonas aeruginosa* by supplementation of pathway precursor shikimic acid and evaluation of its activity. *Research Journal of Pharmacy and Technology*. 2017; 10(2): 533-36.
29. Dammali M, Dey G, Madugundu AK, Kumar M, Rodrigues B, **Gowda H**, Byachapur GS, Mahadevan A, Shankar SK, **Prasad TSK**. Proteomics analysis of the human olfactory bulb. *OMICS: A Journal of Integrative Biology*. 2017. (In press).
30. Sreenivasamurthy SK, Madugundu AK, **Patil AH**, Dey G, Mohanty AK, Kumar M, Patel K, Wang C, Kumar A, Pandey A, **Prasad TSK**. Mosquito-borne diseases and Omics: Tissue-restricted expression and alternative splicing revealed by transcriptome profiling of *Anopheles stephensi*. *OMICS: A Journal of Integrative Biology*. 2017. (In press).
31. Sharma K, Verma R, Advani J, Chatterjee O, Solanki HS, Sharma A, Varma S, Modi M, Ray P, Mukherjee KK, Sharma M, Dhillon MS, Suar M, **Chatterjee A**, Pandey A,

- Prasad TSK, Gowda H.** Whole genome sequencing of *Mycobacterium tuberculosis* isolates from extrapulmonary sites. *OMICS: A Journal of Integrative Biology*. 2017. (In press).
32. Solanki HS, Advani J, Khan AA, Radhakrishnan A, Sahasrabuddhe NA, Pinto SM, Chang X, **Prasad TSK**, Mathur PP, Sidransky D, **Gowda H**, **Chatterjee A**. Chronic cigarette smoke mediated global changes in lung mucoepidermoid cells: a phosphoproteomic analysis. *OMICS: A Journal of Integrative Biology*. 2017. (In press).
33. Dammali M, Murthy KR, **Pinto SM**, Murthy KB, Nirujogi RS, Madugundu AK, Dey G, Nair B, **Gowda H**, **Prasad TSK**. Towards post-genomics ophthalmology: A proteomic map of the human choroid-retinal pigment epithelium tissue. *OMICS: A Journal of Integrative Biology*. 2017. (In press).
34. **Swetha PD, Manisha H**, Bakar SA, Shim YB, **Prasad KS**. Antimicrobial Properties of Sonochemically Treated Graphene Oxides Sheets. *Materials Today: Proceedings*. 2017. (accepted).
35. Thakolkaran N, Shetty AN, **D'Souza N**, Shetty A. Antibiotic Prescribing Knowledge, Attitudes and Practice among Physicians in Teaching Hospitals in South India. *Journal of Family Medicine and Primary Care*. 2017. (Accepted).
36. Hegde PR, Shenoy M, Shekar BH. Noise removal in dermoscopic images using a novel software. *Indian Dermatology Online Journal*. 2017. (Accepted).
37. Manisha H, Swetha PD, Shim YB, Prasad KS. Microwave assisted synthesis of hybrid Cu₂O microcubes for photocatalysis and electrocatalysis. *Materials Today: Proceedings*, 2017. (accepted).
38. Manzoor MAP, Rekha PD. Prostate cancer: Microbiome the ‘unforeseen organ. *Nature Reviews Urology*. 2017. (Accepted).
39. **Shenoy PS, Bose B**. Fibrosis vs Myogenesis: A contrast phenomenon exhibited by perivascular mesenchymal stem cells isolated from wild type and myostatin null mouse liver. *Journal of Tissue Engineering and Regenerative Medicine*. 2017. (Manuscript submitted).

2016

40. **Bhandary YP.** P53-Fibrinolytic system and acute lung injury. *Biologia*. 2016; 71(10):1098-102.
41. Sridhar KR, Shreelalitha J, Supriya P, **Arun AB.** Nutraceutical attributes of ripened split beans of three *Canavalia* landraces. *Journal of Agricultural Technology*. 2016; 12(7.1):1277-97.
42. Riaz A, **Vagish KLS**, Surendranathan A, Maji J. Glandular odontogenic cyst associated with ameloblastoma occupying maxillary sinus: A rare case report. *Clinical Cancer Investigation Journal*. 2016;5:265-8.
43. Mujeeburahiman M, Vipin C, Sajida K, Shabeena KS, FathimathSadiya MK, Rekha PD. Incidence of urinary tract infections in ureteroscopic lithotripsy patients: Asingle center study. *Scholars Journal of Applied Medical Sciences*. 2016; 4(9D):3408-3412.
44. **Vagish KLS.** Oil pulling for maintaining oral hygiene - A review. *Journal of Traditional and Complementary Medicine*. 2016; 7(1):106-09.
45. **Rekha PD, Vasavi HS, Vipin C, Saptami Kanekar, Arun AB.** A medicinal herb *Cassia alata* attenuates quorum sensing in Chromobacterium violaceum and *Pseudomonas aeruginosa*. *Letters in Applied Microbiology*. 2016 (In press)
46. Dhawan R, Kumar M, Mohanty AK, Dey G, Advani J, **Prasad TSK**, Kumar A, Pinto SM. Mosquito-borne diseases and Omics: salivary gland proteome of the female *Aedes aegypti* mosquito. *OMICS: A Journal of Integrative Biology*. 2016. (In press)
47. Somaraj V, Shenoy R, Panchmal GS, Jodalli P, Sonde L, **Nagaraj K.** Effect of consumption of paneer and cheese on salivary acidogenicity and calcium concentration – A comparative study. *Oral Health and Preventive Dentistry*. 2016. (Accepted)
48. Vanishree T, Panchmal GS, Shenoy R, Jodalli P, Sonde L, **Nagaraj K.** Changes in the oral environment after placement of fixed orthodontic appliance for the treatment of malocclusion – A Descriptive Longitudinal Study. *Oral Health and Preventive Dentistry*. 2016. (Accepted)
49. **Prasad TSK**, Mohanty AK, Kumar M, and 39 other authors. Integrating transcriptomic and proteomic data for accurate assembly and annotation of genomes. *Genome Research*. 2016. (Accepted)
50. Raja R, Sahasrabuddhe NA, Radhakrishnan A, Syed N, Solanki H, Puttalamlesh VN, Balaji SA, Nanjappa V, Datta KK, Babu N, Renuse S Patil, AH Izumchenko E, **Prasad TSK**, Chang X, Rangarajan A, Sidransky D, Pandey A, **Gowda H**, **Chatterjee A.** Chronic exposure to cigarette smoke leads to activation of p21 (RAC1) - activated kinase 6 (PAK6) in non-small cell lung cancer cells. *Oncotarget*. (In press)
51. Yelamanchi SD, Solanki HS, Radhakrishnan A, Balakrishnan L, Advani J, Raja R, Sahasrabuddhe NA, Mathur PP, Dutta P, **Prasad TSK**, Korbonits M, **Chatterjee A**, **Gowda H**, Mukherjee KK. Signaling network map of aryl hydrocarbon receptor. *Journal of Cell Communication and Signaling*. 2016. (In press)

52. Murthy KR, Dammalli M, **Pinto SM**, Murthy KB, Nirujogi RS, Madugundu AK, Dey G, **Subbannayya Y**, Mishra UK, Nair B, **Gowda H**, **Prasad TSK**. A comprehensive proteomics analysis of the human iris tissue: Ready to embrace postgenomics precision medicine in ophthalmology?. *OMICS: A Journal of Integrative Biology*. 2016. (In press)
53. **Bipasha B**. Type 2 Diabetes: Modulation of Metabolism, Cell Therapy and Other Options beyond Insulin Therapy. *Mathews Journal of Diabetes*. 2016;1(1): 002:1-3.
54. **Vagish KLS**. India's NEET exam poses problems in its current form. *British Medical Journal*. 2016; 354.
55. **Vagish KLS**, **KS Prasad**. Graphene based sensors in the detection of glucose in saliva – A promising emerging modality to diagnose diabetes mellitus. *Analytical Methods*. 2016.
56. **Vagish KLS**. Salivary glucose estimation in Type 2 diabetes mellitus patients. *Indian Journal of Dental Research*. 2016;27:108.
57. Chandra JH, Rao SBH, Manzoor MAP, Arun AB. Characterization and antibiotic sensitivity profile of bacteria in orofacial abscesses of odontogenic origin. *Journal of Maxillofacial Oral Surgery*. 2016.
58. **Vagish KLS**. Misleading association. *British Dental Journal*. 2016;220(10):500.
59. Anand A, Sharma K, Sharma SK, Singh R, Sharma NK, **Prasad TSK**. AMD genetics in India: The missing links. *Frontiers in Aging Neuroscience*. 2016;8:115.
60. Sathe GJ, **Pinto SM**, Syed N, Nanjappa V, Solanki HS, Renuse S, Chavan S, Khan AA, Patil AH, Nirujogi RS, Nair B, Mathur PP, **Prasad TSK**, **Gowda H**, **Chatterjee A**. Phosphotyrosine profiling of curcumin-induced signaling. *Clinical Proteomics*. 2016.
61. Divya L, Sadasivan C. *Trichoderma viride* laccase play a crucial role in defense mechanism against antagonistic organisms. *Frontiers in Microbiology*. 2016;7:741.
62. Srinivas PK, Venatral N, Anil T, Karuna KM, Shib DB, Rajeev KB. Detection of a specific pattern of hyaluronan oligosaccharides and their binding proteins in human ovarian tumour. *Cell Biochemistry and Function*. 2016;34:217-25.
63. **Sangeetha Vijayan P**, **Rekha PD**, **Dinesh U**, **Arun AB**. Biochemical and histopathological responses of the Swiss albino mice treated with uranyl nitrate and its recovery. *Renal Failure*. 2016;16:1-6.
64. Mir SA, **Pinto SM**, Paul S, Raja R, Nanjappa V, Syed N, Advani J, Renuse S, Sahasrabuddhe NA, **Prasad TSK**, Giri AK, **Gowda H**, **Chatterjee A**. SILAC-based quantitative proteomic analysis reveals widespread molecular alterations in human skin keratinocytes upon chronic arsenic exposure. *Proteomics*. 2016.
65. **Bose B**, **Shenoy PS**. Aging induced loss of stemness with concomitant gain of myogenic properties of a pure population of CD34⁺/ CD45⁻ muscle derived stem cells. *International Journal of Cell Biology and Biochemistry*. 2016;70:1-12.
66. **Bose B**, **Shenoy PS**. Pluripotent conversion of muscle stem cells without reprogramming factors or small molecules. *Stem Cell Reviews and Reports*. 2016;12(1):73-89.
67. **Bose B**. Stem Cells in translation versus innovative biomaterials and/or nanomaterials. *Journal of Stem Cells and Regenerative Biology*. 2016;2(2): 1-3.

68. **Subbannayya T**, Variar P, Advani J, Nair B, Shankar S, **Gowda H**, Saussez S, **Chatterjee A**, **Prasad TSK**. An integrated signal transduction network of macrophage migration inhibitory factor. *Journal of Cell Communication and Signaling*. 2016; 10(2):165-70.
69. Barua P, **Subba P**, Lande NV, Mangalaparthi KK, **Prasad TSK**, Chakraborty S, Chakraborty N. Gel based and gel-free search for plasma membrane proteins in chickpea (*Cicer arietinum* L.) augments the comprehensive data sets of membrane protein repertoire. *Journal of Proteomics*. 2016. In press.
70. Sunitha B, Gayathri N, Kumar M, **Prasad TSK**, Nalini A, Padmanabhan B, Bharath MMS. Muscle biopsies from human neuromuscular diseases with myopathic pathology reveal common alterations in mitochondrial function. *Journal of Neurochemistry*. 2016. In press.
71. **Datta KK**, **Patil AH**, Patel K, Dey G, Madugundu AK, Renuse S, Kaviyil JE, Nirujogi RS, Arunima A, Daswani B, Kaur I, Mohanty J, Sinha R, Jaiswal S, Sivapriya S, Sonnathi Y, Chattoo BB, **Gowda H**, Ravikumar R, **Prasad TSK**. Proteogenomics of *Candida tropicalis* - an opportunistic pathogen with importance for global health. *OMICS: A Journal of Integrative Biology*. 2016;20(4):239-47
72. **Subbannayya Y**, **Pinto SM**, **Gowda H**, **Prasad TSK**. Proteogenomics for understanding oncology: Recent advances and future prospects. *Expert Review Proteomics*. 2016;25:1-12.
73. Radhakrishnan A, Nanjappa V, Raja R, Sathe GJ, Chavan S, Nirujogi RS, Patil A, Solanki H, Renuse S, Sahasrabuddhe NA, Mathur PP, **Prasad TSK**, Kumar P, Califano JA, Sidransky D, Pandey A, **Gowda H**, **Chatterjee A**. Dysregulation of splicing proteins in head and neck squamous cell carcinoma. *Cancer Biology and Therapy*. 2016;17: 219-29.
74. Radhakrishnan A, Nanjappa V, Raja R, Sathe G, Puttalamlesh VN, Jain AP, **Pinto SM**, Balaji SA, Chavan S, Sahasrabuddhe NA, Mathur PP. A dual specificity kinase, DYRK1A, as a potential therapeutic target for head and neck squamous cell carcinoma. *Scientific Reports*. 2016;6.
75. Yelamanchi SD, Jayaram S, Thomas JK, Gundimeda S, Khan AA, Singhal A, **Prasad TSK**, Pandey A, Soman BL, **Gowda H**. A pathway map of glutamate metabolism. *Journal of Cell Communication and Signaling*. 2016;10(1):69-75.
76. Yelamanchi SD, Kumar M, Madugundu AK, Gopalakrishnan L, Dey G, Chavan S, Sathe G, Mathur PP, **Gowda H**, Mahadevan A, Shankar SK. Characterization of human pineal gland proteome. *Molecular BioSystems*. 2016;12(12):3622-32.
77. Fernandes E, Dsouza N. Reclaiming public health through power. *International Journal of Perceptions in Public Health*. 2016; 1(1):3-5.
78. Yelamanchi SD, Kumar M, Madugundu A, Gopalakrishnan L, Dey G, Chavan S, Sathe G, Mathur PP, **Gowda H**, Mahadevan A, Shankar SK, **Prasad TSK**. Characterization of human pineal gland proteome. *Molecular Biosystems*. 2016.
79. **Priyanka P**, **Arun AB**, **Ashwini P**, **Rekha PD**. Functional and cell proliferative properties of an exopolysaccharide produced by *Nitratireductor* sp. PRIM-31. *International Journal of Biological Macromolecules*. 2016;86:400-404.

80. **Nagaraj K, Rekha PD, Arun AB.** Exopolysaccharide produced by *Enterobacter* sp. YG4 reduces uranium induced nephrotoxicity. *International Journal of Biological Macromolecules*. 2016;82:557-561.
81. Nidugala H, Avadhani R, **Prabhu A**, Basavaiah R. In vitro cytotoxic activity of rhizome extracts of *Cyperus rotundus* (L.) against colon carcinoma and Ehrlich ascites carcinoma. *Journal of Applied Pharmaceutical Science*. 2016; 6(11):172-75.
82. Chatterjee O, Patil K, Sahu A, Gopalakrishnan L, Mol P, Advani J, Mukherjee S, Christopher R, **Prasad TK**. An overview of the oxytocin-oxytocin receptor signaling network. *Journal of Cell Communication and Signaling*. 2016 Dec 1;10(4):355-60.
83. **Vagish KLS.** Benefits of training India's quacks. *British Medical Journal*. 2016;352:i928.
84. **Vagish KLS.** Experience of wearing hearing aids for past 15 years. *Indian Journal of Otology*. 2016;22:70-1.
85. **P Khalid, MA Hussain, VB Suman, AB Arun.** Toxicology of carbon nanotubes – A review. *International Journal of Applied Engineering Research*. 2016;11(1):159-168.
86. **Vagish KLS.** Significance of dental records in personal identification in forensic sciences. *Journal of Forensic Science and Medicine*. 2016;2(1):39-43.
87. **Hariprasad TPN, Shetty NJ.** Ecological variation and resistance levels to propoxur and chlorpyrifos in *Anopheles stephensi* (Diptera: Culicidae), a malaria mosquito from India. *International Journal of Tropical Insect Science*. 2016;36(1):48-59.

2015

88. Riaz A, Mariyam F, Sripathi BHR, **Jagadish K, Rekha PD**, Sharma SD. Attenuation of ^{60}Co gamma rays by barium acrylic resin composite shields. *Radiation Protection and Environment*. 2015; 38:151-3.
89. **Hariprasad TPN**, Shetty NJ. Biochemical basis of alphamethrin resistance in different life stages of *Anopheles stephensi* strains of Bangalore, India. *Pest Manag Sci*. 2015
90. **Ashwini P**, Madhushree M, **Rekha PD**. Phytochemical constituents and antioxidant activities of some plants commonly used in Indian traditional diet. *Journal of Applied Pharmaceutical Science*. 2015; 5(11):108-112.
91. Hema N, Avadhani R, **Ashwini P**, Ravishankar B, Sunil Kumar KN. GC-MS characterization of n-hexane soluble compounds of *Cyperus rotundus* L. rhizomes. *Journal of Applied Pharmaceutical Science*. 2015; 5(12):096-100.
92. Subbannayya T, Rojas PL, Barbhuiya MA, Raja R, Sathe SRG, **Pinto SM**, Syed N, Nanjappa V, Patil AH, Garcia P, Sahasrabuddhe NA, Nair B, Preston RG, Navani S, Tiwari PK, Sidransky VSD, TS Prasad K, **Gowda H**, Roa JC, Pandey A, **Chatterjee A**. Macrophage migration inhibitory factor – a therapeutic target in gallbladder cancer. *BMC Cancer*. 2015. DOI 10.1186/s12885-015-1855-z.
93. **Ashwini P**, Abdul KS, **Rekha PD**. Isolation and purification of lutein from Indian spinach *Basella alba*. *Research Journal of Pharmaceutical Technology*. 2015; 8(10):1-4.
94. **Subbannayya Y, Pinto SM, Gowda H, Prasad TSK**. Proteogenomics for understanding oncology: recent advances and future prospects. *Expert Review of Proteomics*. 2015. DOI: 10.1586/14789450.2016.1136217.
95. **Bipasha B**. Influence of Parent Cell types on Pluripotency Induction and Applications of Such Induced Pluripotent Stem Cells (iPSCs). *Stem Cell Research*. 2015; 1(1):1002.
96. **Rao RSP**, Foley BT, Xu D, **Subbannayya Y, Gowda H**. Evolutionary dynamics of N-glycosylation sites in hemorrhagic fever viral envelope proteins. *Journal of Proteins and Proteomics*. 2015; 6:40, poster no 35. ISSN:0975-815
97. **Subbannaya Y, Rao RSP**, Patel K, **Gowda H**. Expression dynamics of protein kinases and phosphatases across human tissues. *Journal of Proteins and Proteomics*. 2015;6:43, poster no 41. ISSN: 0975-8151
98. **Rao RSP, Subbannayya Y**, Patel K, **Gowda H**. Expression pattern of protein kinases across human tissues. 2015; page148, poster no 34.
99. Nanjappa V, Renuse S, Sathe GJ, Raja R, Syed N, **Prasad TSK, Gowda H, Chatterjee A**. Chronic exposure to chewing tobacco selects for overexpression of stearoyl-CoA desaturase in normal oral keratinocytes. *Cancer Biology & Therapy*. 2015
100. **Shenoy SP, Bose B**. Enhancing the plasticity/stemness of dental stem cells using growth factors, small molecules and scaffolds for tissue engineering. *Jacobs Journal of Regenerative Medicine*. 2015; 1(1):2.

101. **Bose B.** In Vitro differentiation of pluripotent stem cells into functional β islets under 2D and 3D culture conditions and in vivo preclinical validation of 3D islets". 2015. Online published "Molecular Biology/ES Cell Methods and Protocols", 3rd Ed., Edited by Prof. Kursad Turksen *Springer Publications*.
102. **Priyanka P, Arun AB, Ashwini P, Rekha PD.** Versatile properties of an exopolysaccharide R-PS18 produced by *Rhizobium* sp. PRIM-18. *Carbohydrate Polymers*. 2015; 126:215-21.
103. **Hariprasad TPN, Shetty NJ.** Linkage Studies between dark body and ruby eye loci in *Anopheles stephensi*, an urban malaria vector in India. *International Journal of Mosquito Research*. 2015; 2(2):24-7.
104. **Hariprasad TPN, Arun AB.** Resistance status to six insecticides and efficacy of two plant extracts on *Anopheles stephensi* from Mangalore. *International Journal of Mosquito Research*. 2015; 2(2):45-9.
105. Hegde S, Achary K.K, Shetty S. Statistical analysis of features and classification of alphasyllabary sounds in Kannada language. *International Journal of Speech Technology*. 2015; 18(1):66-75.
106. Lin SY, Hung MH, Hameed A, Liu YC, Hsu YH, Wen CZ, **Arun AB**, Busse HJ, Glaeser SP, Kampfer P, Young CC. *Rhizobium* sp. nov., isolated from root tumor of a green bell pepper (*Capsicum annuum* var. *grossum*) plant. *Antonie van Leeuwenhock*. 2015; 107(3): 773-84.
107. **Bose B, Reddy KK, Shenoy SP.** Cell therapy for Diabetes. Obesity and diabetes. *Springer Publications*. 2015; 231-255.
108. **Kumar VLS.** Rhinosinusitis in oral medicine and dentistry. *Australian Dental Journal*. 2015; 60:134-122.
109. Peter K, **Arun AB**, HJ Busse, Zhang ZL, Young CC, Glaeser SP. *Chelatavorans intermedius* sp.nov. and proposal to reclassify *Thermovum composti* as *Chelatavorans composti* comb.nov. *International Journal of Systematic and Evolutionary Microbiology*. 2015; 65(5):1646-52.
110. Jinglin Z, **Dinesh U**, Lin L, Lixing WR. Fibroblast growth factor receptor 2 (FGFR2) is required for corneal epithelial cell proliferation and differentiation during embryonic development. *PloS One*. 2015; 10(1): e0117089. doi: 10.1371/journal.pone.0117089.
111. **Rao RSP, Moller IM, Thelen JJ, Miernyk JA.** Convergent signaling pathways – interaction between methionine oxidation and serine/ threonine/tyrosine o-phosphorylation. *Cell Stress and Chaperones*. 2015; 20(1):15-21.
112. **Priyanka P, Arun AB, Young CC, Rekha PD.** Prospecting exopolysaccharides produced by selected bacteria associated with marine organisms for biotechnological applications. *Chinese Journal of Polymer Science*. 2015; 33(2):236-244.
113. **Bose B, Shenoy P.** Pluripotent conversion of muscle stem cells without reprogramming factors or small molecules. *Stem Cell Reviews and Reports*. 2015; 1-17.
114. Verma R, Balakrishnan L, Sharma K, Khan AA, Advani J, **Gowda H**, Tripathy SP, Suar M, Pandey A, Gandotra S, **Prasad TS**, Shankar S. A network map of

interleukin-10 signaling pathway. *Journal of Cell Communication and Signaling*. 2015; doi: 10.1007/s12079-015-0302-x

115. Selvan LD, Sreenivasamurthy SK, Kumar S, Yelamanchi SD, Madugundu AK, Anil AK, Renuse S, Nair BG, **Gowda H**, Mathur PP, Satishchandra P, Shankar SK, Mahadevan A, **Keshava Prasad TS**. Characterization of host response to *Cryptococcus neoformans* through quantitative proteomic analysis of cryptococcal meningitis co-infected with HIV. *Molecular Biosystems*. 2015; 11(9): 2529-40.
116. **Vasavi HS, Arun AB, Rekha PD**. Anti-quorum sensing potential of *Adenanthera pavonina*. *Pharmacognosy Research*. 2015; 7(1):105-9.

2014

117. Vagish KLS. Use of lasers in the management of temporomandibular disorders. *International Journal of Laser Dentistry*. 2014; 4(2):43-8.
118. Bhavya DK, Krishnamoorthy M. Preliminary screening of phytochemical and mineral content of chloroform and methanol extracts of Strychnos nux vomica L and Ophiorrhiza rugosa wall. *International Journal of Pharma and Biosciences*. 2014; 5(2):390-5.
119. Musambil M, Mushtak MSB, Faraz F. Genomic interference observed in Triplet repeat primed PCR using homemade Taq Polymerases. *Current Research in Microbiology Biotechnology*. 2014; 2(6):527-9.
120. Musambil M, Faraz F, Mansoor CA. Triplet primed repeat PCR – An approachable diagnosis method for detecting triplet repeat disorders -Friedreich Ataxia. *Archives of Applied Science Research*. 2014; 6(5):125-8.
121. Musambil M, Faraz F, Jithesh TK, Mansoor, Rahiman FOM, Mohammed MTK, Mirshad PV. An effective method for high quality DNA extraction from frozen blood samples. *Journal of Microbiology and Biotechnology Research*. 2014; 4(5):52-5.
122. Vagish KLS. Pharmacological management of temporomandibular joint disorders – A review. *Pacific Journal of Medical Sciences*. 2014; 13(2):3-14.
123. Vagish KLS. Hypodontia among siblings of same family – A case report. *Clinical Dentistry, Mumbai*. 2014; 15-18.
124. Sowmya S, Rekha PD, Arun AB. Uranium (VI) bioprecipitation mediated by a phosphate solubilizing Acinetobacter sp. YU-SS-SB-29 isolated from a high natural background radiation site. *International Biodegradation & Biodegradation*. 2014; 94:134-40.
125. Khalid P, Hussain MA, Rekha PD, Arun AB*. Carbon nanotubes reinforced hydroxyapatite composite and their interaction with human osteoblast in vitro. *Human and Experimental Toxicology*. 2014.
126. Vagish KLS. Cafe au lait spot: Case report. *Journal of Advanced Clinical and Research Insights*. 2014; 1(3):106-107.
127. Priyanka P, Arun AB, Young CC, Rekha PD. Sulfated exopolysaccharide produced by Labrenzia sp. PRIM-30, characterization and prospective applications. *International Journal of Biological Macromolecules*. 2014; 69(8): 290-295.
128. Vasavi HS, Arun AB, Rekha PD. Anti-quorum sensing activity of flavonoid-rich fraction from *Centella asiatica* L. against *Pseudomonas aeruginosa* PAO1. *Journal of Microbiology, Immunology and Infection*. 2014
129. D'Souza BB, Padmaraj SR, Rekha PD, Tellis RC, Prabhu S, Pothen P. *In vitro* synergistic activity of colistin and ceftazidime or ciprofloxacin against multidrug resistant clinical strains of *Pseudomonas aeruginosa*. *Microbial Drug Resistance*. 2014; 20(6):550-554.
130. Sowmya S, Rekha P.D, Naregundi K, Young C-C, Arun AB. Phosphate solubilizing uranium tolerant bacteria associated with monazite sand of a natural background

radiation site in South-West coast of India. *Annals of Microbiology*. 2014; 64:1683-9.

131. Khalid P, Hussain MA, Rekha PD, Sanal C, Suraj S, Rajashekhar M, Suman VB, Sangappa, Arun AB. Interaction of carbon nanotubes reinforced hydroxyapatite composite with *Bacillus subtilis*, *P. aeruginosa* and *C. albicans*. *Indian Journal of Science and Technology*. 2014; 7(5):1-7.
132. Sudharshan P, Rekha PD, Arun AB. Zeaxanthin Biosynthesis by members of the genus Muricauda. *Polish Journal of Microbiology*. 2014; 63(1):115–119.
133. Vasavi HS, Arun AB, Rekha PD. Anti-quorum sensing activity of *Psidium guajava* L. flavonoids against *Chromobacterium violaceum* and *Pseudomonas aeruginosa* PAO1. *Microbiology and Immunology*. 2014; 58(5):286–93.
134. Vasavi HS, Arun AB, Rekha PD. *Inula racemosa* inhibits Quorum Sensing in *Chromobacterium violaceum* and *Pseudomonas aeruginosa* PAO1. *Asian Journal of Microbiology, Biotechnology and Environmental Science*. 2014; 16(4):1011-5.

2013

135. Sudharshan P, Rekha PD, Young CC, Hameed A, Lin S-Y, Arun AB. Zeaxanthin production by novel marine isolates from coastal sand of India and its antioxidant properties. *Applied Biochemistry and Biotechnology*. 2013; 171(4):817-831.
136. Karthika K, Arun AB, Melo JS, Mittal KC, Mukesh K, Rekha PD. Hydrolysis of acid and alkali presoaked lignocellulosic biomass exposed to electron beam irradiation. *Bioresource Technology*. 2013; 129(2):646-9.
137. Kämpfer P, Arun AB, Rekha PD, Busse H-J, Young CC, Glaeser SP. *Ruegeria intermedia* sp. nov., a new moderately thermophilic bacterium isolated from a coastal hot spring. *International Journal of Systematic and Evolutionary Microbiology*. 2013; 63(7):2538-44.
138. Glaeser SP, Arun AB, Rekha PD, Sudharshan P, Busse H-J, Kämpfer P. *Bhargavaea ullaensis* sp. nov., isolated from coastal sand. *International Journal of Systematic and Evolutionary Microbiology*. 2013; 63(7):2450-2456
139. Kämpfer P, Arun AB, Frischmann A, Busse H-J, Young C-C, Rekha PD, Chen W-M. *Stappia taiwanensis* sp. nov., a isolated from a coastal thermal spring. *International Journal of Systematic and Evolutionary Microbiology*. 2013; 63(4): 1350–54.
140. Lin S-Y, Hameed A, Arun AB, Liu Y-C, Hsu Y-H, Lai W-A, Rekha PD, Young CC. Description of *Noviherbaspirillum malthae* gen. nov., sp. nov. isolated from an oil contaminated soil, and proposal to reclassify *Herbaspirillum soli*, *Herbaspirillum aurantiacum*, *Herbaspirillum canariense* and *Herbaspirillum psychrotolerans* into the genus *Noviherbaspirillum* based on polyphasic analysis. *International Journal of Systematic and Evolutionary Microbiology*. 2013;In Press; Doi: 10.1099/ijss.0.048231-0.
141. Vasavi HS, Arun AB, Rekha PD. Inhibition of quorum sensing in *Chromobacterium violaceum* by *Syzygium cumini* L. and *Pimenta dioica* L. *Asian Pacific Journal of Tropical Biomedicine*. 2013; 3(12):954-959.
142. Shetty NJ, Hariprasad TPN, Sanil D, Zin T. Chromosomal inversions among insecticide resistant strains of *Anopheles stephensi* Liston, a malaria mosquito. *Parasitology Research*. 2013; 112:3851-57.
143. Khalid P, Husaain MA, Rekha PD, Arun AB. Synthesis and characterization of carbon nanotubes reinforced hydroxyapatite composite. *Indian Journal of Science and Technology*. 2013; 6(12):1-6.
144. Sowmya S, Rekha PD, Young CC, Arun AB. Isolation of a phosphate solubilizing uranium tolerant bacterium *Acinetobacter* sp. YU-SS-C-68. *International Journal of Environmental Biology*. 2013; 3(3):129-32.
145. Sudharshan P, Rekha PD, Arun AB. Isolation and evaluation of antioxidant activity of carotenoid from *Fontibacter flavus* YUAB-SR-25. *International Journal of Natural Product Research*. 2013; 3(3):62-7.
146. Sowmya S, Rekha PD, Arun AB. Identification and characterization of *Curtobacterium* sp. YU-SS-C-67 for phosphate solublization and Uranium tolerance. *International Research Journal of Biological Sciences*. 2013; 2(12):102-6.

147. Khalid P, Hussain MA, Rekha PD, Suman VB, Arun AB. Modification of Carbon Nanotubes for bio-applications and toxicity evaluations. *Journal of Environmental and Nanotechnology*. 2013; 2(1):70-4.
148. Juliana LD, Aparna B. Acceptability of a Problem – Based Learning approach in a Baccalaureate nursing programme – A pilot study. *International Journal of Nursing Education*. 2013; 5(1):92–6.
149. Balasubramanian N, Juliana LD, Sathyanarayana RTS. Knowledge questionnaire on home care of schizophrenics (KQHS): Validity and reliability. *Journal of Education and Practice*. 2013; 4(11):176-83.
150. Juliana LD. Nursing students approach to learning and studying: a cross sectional study in an Indian setting. *International Journal of Current Research and Review*. 2013; 5(3):47-53.

2012

151. Karthika K, Arun AB, Rekha PD. Enzymatic hydrolysis and characterization of lignocellulosic biomass exposed to electron beam irradiation. *Carbohydrate Polymers*. 2012; 90(2):1038-1045.
152. Kämpfer P, Arun AB, Rekha PD, Busse H-J, Young C-C, Glaeser SP, *Ruegeria intermedia* sp. nov., a new moderately thermophilic bacterium isolated from a coastal hot spring. *International Journal of Systematic and Evolutionary Microbiology*. ePub: 2012; Doi: 10.1099/ijss.0.047910-0.
153. Kämpfer P, Lai WA, Arun AB, Young CC, Rekha PD, Martin K, Busse H-J, Chen W-M. *Paracoccus rhizosphaerae* sp. nov., isolated from the rhizosphere of the plant *Crossostephium chinense* (L.) Makino (Seremban). *International Journal of Systematic and Evolutionary Microbiology*. 2012; 62(11):2750-2756.
154. Anita DD, Sridhar KR, Arun AB, Goveas SW. Nutritional composition of germinated beans of *Canavalia cathartica*. *Focusing on Modern Food Industry*. 2012; 1(1):1-11.
155. Kämpfer P, Arun AB, Young C-C, Rekha PD, Martin K, Busse H-J, Chen W-M. *Microbulbifer taiwanensis* sp. nov., from Lutao Island (Green Island) soil. *International Journal of Systematic and Evolutionary Microbiology*. 2012; 62(10):2485-2489.
156. Kämpfer P, Arun AB, Young C-C, Busse H-J, Kassmannhuber J, Rosselló-Mora R, Rekha PD, Chen W-M. Proposal of *Sphingomicrobium lutoense* gen. nov. sp. nov., isolated from a coastal hot spring of Green Island (Lutao). *International Journal of Systematic and Evolutionary Microbiology*. 2012; 62(6):1326-1330.
157. Lin CL, Shen FT, Chen BY, Huang CC, Tan CC, Arun AB, Young CC. Characterization of *Gordonia* sp. strain CC-NAPH129-6 capable of naphthalene degradation. *Microbiology Research*. 2012; 167(7):395-404.
158. Chen W-M, Cho NT, Yang SH, Arun AB, Young CC, Sheu SY. *Aquabacterium limnoticum* sp. nov., isolated from a freshwater spring. *International Journal of Systematic and Evolutionary Microbiology*. 2012; 62(3):698-704.
159. Khalid P, Hussain MA, Rekha PD, Suman VB, Arun AB. Modification of Carbon nanotubes for bio-applications and toxicity evaluation. *Nano Biomaterials*. 2012; 2(1):155-160.

2011

160. Rekha PD, Young C-C, Arun AB. Identification of *N*-acyl-L-homoserine lactones produced by non-pigmented *Chromobacterium aquaticum* CC-SEYA-1^T and pigmented *Chromobacterium subtsugae* PRAA4-1^T. *3Biotech*. 2011; 1(4):239-245.
161. Kämpfer P, Arun AB, Busse H-J, Young C-C, W-A Lai, Rekha PD, Chen W-M. *Salinicoccus sesuvii* sp. nov., isolated from the rhizosphere of *sesuvium portulacastrum*. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(10):2348-52.
162. Satnam S, Rekha PD, Arun AB, Huang Y-M, Shen F-T, Young C-C. Wastewater from monosodium glutamate industry as a low cost fertilizer source for corn (*Zea mays* L.). *Biomass and Bioenergy*. 2011; 35(9):4001-4007.
163. Sheu S-Y, Cho N-T, Arun AB, Chen W-M. Proposal of *Solimonas aquatica* sp. nov., and reclassification of *Sinobacter flavus* as *Solimonas flava* comb. nov. and *Singularimonas variicoloris* (Friedrich and Lipski 2008) as *Solimonas variicoloris* comb. nov. and emended description of the genus *Solimonas* and its type species *Solimonas Soli*. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(9):2284-2291.
164. Chen MH, Sheu, S-Y, Arun AB, Young C-C, Chen C-A, Wang J-T, Chen W-M. *Pseudoteredinibacter isoporae* gen. nov., sp. nov., a marine bacterium isolated from the reef-building coral *Isopora palifera*. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(8):1887-1893.
165. Asif H, Arun AB, Hsin-Pin H, Chieh-Ming J, Chang, Rekha PD, Lee MR, Satnam Singh, Young C-C. Supercritical Carbon Dioxide micronization of Zeaxanthin from moderately thermophilic bacteria *Muricauda lutaonensis* CC-HSB-11^T. *Journal of Agricultural and Food Chemistry*. 2011; 59(8):4119-24.
166. Rekha PD, Young C-C, Kämpfer P, Busse H-J, Arun AB, Chen W-M, Lai W-A, Chao, J-H, Shen F-T. *Jhaorihella thermophila* gen. nov., sp. nov., a new moderately thermophilic bacterium isolated from a coastal hot spring. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(7): 1544-48.
167. Sridhar KR, Arun AB, Maria GL, Madhyastha MN. Diversity of fungi on submerged leaf and woody litter in River Kali, Southwest India. *Environmnetal Research Journal*. 2011; 5(60):701-714.
168. Kämpfer P, Rekha PD, Schumann P, Arun AB, Young CC, Chen WM, Sridhar KR. *Microbacterium arthrosphaerae* sp. nov., isolated from the faeces of the pill millipede *Arthrosphaera magna* Attems. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(6):1334-7.
169. Sheu S-Y, Chiu T-F, Young C-C, Arun AB, Chen W-M. *Flavobacterium macrobrachii* sp. nov., isolated from a freshwater shrimp pond in Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(6): 1402-1407.

170. Sheu S-Y, Arun AB, Jiang S-R, Young C-C, Chen W-M. *Allobacillus halotolerans* gen. nov., sp. nov. isolated from shrimp paste. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(5):1023-1027.
171. Satnam S, Rekha PD, Arun AB, Asif H, Sonu S, Shen F-T, Young C-C. Glutamate wastewater as a culture medium for *Azospirillum rugosum* production and its impact on plant growth. *Biology and Fertility Soils*. 2011; 47(4):419–426.
172. Syed MA, Akhtar S, Siddaramaiah, Syed AA. Studies on the physico-mechanical, thermal, and morphological behaviors of high density polyethylene/coleus spent green composites. *Journal of Applied Polymer Science*. 2011; 119(4):1889-1895.
173. Kämpfer P, Young C-C, Busse H-J, Lin S-Y, Rekha PD, Arun AB, Chen W-M, Shen F-T, Wu Y-H. Proposal of *Novosphingobium soli* sp. nov., isolated from soil. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(2): 259-263.
174. Kämpfer P, Arun AB, Busse H-J, Langer S, Young C-C, Chen W-M, Syed AA, Rekha PD. *Virgibacillus soli* sp. nov., isolated from mountain soil. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(2):275-280.
175. Kämpfer P, Young C- C, Chu J.-N, Frischmann A, Busse H-J, Arun AB, Shen FT, Rekha PD. *Gordonia humi* sp. nov., isolated from soil in Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 2011; 61(1): 65-70.

2010

176. Syed MA, Siddaramaiah SP, Syed RT, Syed AA. Investigation on Physicomechanical Properties, Water, Thermal and Chemical Ageing of Unsaturated Polyester/Turmeric Spent Composites. *Polymer-Plastics Technology and Engineering*. 2010; 49(6):555-559.
177. Shahryar P, Siddaramaiah SP, Syed AA. Thermal Degradation Kinetics of Polyurethane/ Organically Modified Montmorillonite Clay Nanocomposites by TGA. *Journal of Macromolecular Science*. 2010; 47(8):777-783.
178. Chen W-M, Chung Y-N, Chiu T-F, Cheng C-Y, Arun AB, Sheu S-Y. *Deefgea chitinilytica* sp. nov., isolated from wetland in Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(6):1450-1453.
179. Syed MA, Ramaraj B, Sania A, Syed AA. Development of environment friendly high density polyethylene and turmeric spent composites: physico-mechanical, thermal and morphological studies. *Journal of Applied Polymer Science*. 2010; 118(2):1204-1210.
180. Sheu S-Y, Yang C-S, Chen M-H, Arun AB, Young C-C, Chen W-M. *Arcicella aurantiaca* sp. nov., isolated from stream water. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(12):2979-2983.
181. Chu JN, Arun AB, Chen W-M, Chou J-H, Shen F-T, Rekha PD, Kämpfer P, Young L-S, Lin S-Y, Young C-C. *Agaricicola taiwanensis* gen. nov., sp. nov., a novel α -proteobacterium isolated from edible mushroom *Agaricus blazei* Murrill. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(9):2032.
182. Kämpfer P, Young C-C, Chen W-M, Rekha PD, Fallschissel K, Lodders N, Chou J-H, Shen F-T, Frischmann A, Busse H-J, Arun AB. *Fontibacter flavus* gen. nov., sp. nov., isolated from a hot spring in Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(9):2066-2070.
183. Yang, C-S, Young C-C, Arun AB, Cheng C-Y, Sheu S-Y, Chen W-M. *Chitinibacter alvei* sp. nov., isolated from stream water. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 54(4):1760-1764.
184. Kämpfer P, Arun AB, Young C-C, Chen W-M, Sridhar KR, Rekha PD. *Chryseobacterium arthrosphaerae* sp. nov., isolated from the faeces of pill millipede Arthrosphaera magna Attems from India. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(8):1765-1769.
185. Sheu S-Y, Cho N-T, Arun AB, Chen W-M. *Terrimonas aquatica* sp. nov., isolated from a freshwater spring, Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(12):2705-2709.
186. Yang C-S, Chen M-H, Arun AB, Chen C-A, Wang J-T, Chen W-M. *Endozoicomonas montiporae* sp. nov., isolated from the encrusting pore coral *Montipora aequituberculata*. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(5):1158-1162.

187. Kämpfer P, Arun AB, Busse H-J, Langer S, Young C-C, Schumann P, Syed AA, Rekha PD. *Georgenia soli* sp. nov., isolated from iron ore spilled soil in India. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(5): 1027-1030.
188. Kämpfer P, Young CC, Busse H-J, Chu J-N, Schumann P, Arun AB, Shen F-T, Rekha PD. *Microlunatus soli* sp. nov., isolated from soil. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(4):824-827.
189. Young CC, Busse H-J, Langer S, Chu J-N, Schumann P, Arun AB, Shen F-T, Rekha PD, Kämpfer P. *Microbacterium agarici* sp. nov., *Microbacterium humi* sp. nov. and *Microbacterium pseudoresistens* sp. nov., isolated from the base of the mushroom *Agaricus blazei*. *International Journal of Systematic and Evolutionary Microbiology*. 2010; 60(4):854-860.

2009

190. Syed MA, Siddaramaiah SP, Suresha B, Syed AA. Mechanical and Abrasive Wear behaviour of Coleus spent filled Unsaturated Polyester/ Polymethyl Methacrylate Semi Interpenetrating Polmer network Composites. *Journal of Composite Materials*. 2009; 43(21):2387-2399.
191. Young C-C, Lin SY, Arun AB, Shen F-T, Rekha PD, Kämpfer P. *Algoriphagus olei sp. nov.* isolated from oil contaminated soil. *International Journal of Systematic and Evolutionary Microbiology*. 2009; 59(11):2909-2915.
192. Singh S, Rekha PD, Arun AB, Young C-C. Impacts of monosodium glutamate industrial wastewater on plant growth and soil characteristics. *Ecological Engineering*. 2009; 35(10):1559-1563.
193. Arun AB, Chen W-M, Lai W-A, Chao J-H, Shen F-T, Rekha PD, Young C-C. *Lutaonella thermophila* gen. nov., sp. nov., a moderately thermotolerant marine bacterium isolated from a coastal hot spring in Lutao, Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 2009; 59:2069-2073.