

Dr. A H Manjunatha Reddy

Dr. A H Manjunatha Reddy, Associate Professor		
Educational Qualification	M.Sc., Ph.D.	
Experience	Teaching	18 Years
	Industrial	01 Year
	Research	20 Years
Area of Interest	Bioinformatics, Environmental Technology, Renewable Energy Resources	
Date of joining RVCE	24-02-2005	
Email ID	ahmanjunatha@rvce.edu.in	



Project Guided:

Number of UG projects guided: 26

Number of PG projects guided: 24

Number of Ph.D Guiding: 06

Publications:

National Journal: 19

National Conference: 22

International Journal: 40

International Conference: 24

National Journal:

1. Nalina Narasimhaswamy, Nalina Dasappa, K.C. Rohit, B.E. Rangaswamy, Divakara SG Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2022. Wetland Inventory, Assessment and Monitoring. Paripex – Indian Journal of Research. 11(4): 1 – 5.
2. Sanjay K. Kumar, R. Reshma, Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2021. Biohythane: An emerging future fuel. Journal of Pharmaceutical Sciences and Research. 13(5): 238-246.
3. Surana Pallavi, Singh Shruti, Saha Anismita, Ujjain Tanisha, Manokaran Sumathra and **Manjunatha Reddy A.H.** 2020. In silico study of the therapeutic role of natural compounds in influenza A. *Research Journal of Biotechnology*. 15(6): 135 – 145. (Scopus, Q4)

4. Smita Kavadikeri, Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2020. Culturing of *Chlorella sorokianina* for sustainable production. *Pensee*, 50(12): 1668-1678.
5. Smita Kavadikeri, Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2020. Extraction and characterization of microalgal oil and Fucoxanthin from diatom. *Journal of Pharmaceutical Sciences and Research*. 12(12): 1481-1485.
6. Tanusree Chaudhuri, **A.H. Manjunatha Reddy** and Vidya Niranjana. 2020. Screening and validating of human interactors to m. tb using text mining and pathway analysis. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences*. 6(4): 47-61.
7. Tanusree Chaudhuri, **A.H. Manjunatha Reddy** and Vidya Niranjana. 2020. Computational analysis of natural compounds against Human IL6. *Journal of Seybold Report*, 15(7): 1216 – 1232.
8. Tanusree Chaudhuri, Vidya Niranjana and **A.H. Manjunatha Reddy**. 2019. Analysis of tuberculosis metagenome towards pathogenicity and screen of interlogs in human. *Journal of Pharma Research*. 8(6): 395-401.
9. Pratheek Sharma, Harshit Beria, Praveen Kumar Gupta, Sumathra Manokaran, **A.H. Manjunatha Reddy**. 2019. Prevalence of hypertension and its associated risk factors. *J. Pharma Sci. & Res*. 11(6): 2161-2167. (Scopus, Q3)
10. Aishwarya Vittal, Srikanth B S, Sumathra Manokaran, **A.H. Manjunatha Reddy**. 2019. Extraction of petrichor and essential oils for the production of Novelty fragrance products. *J. Pharma Sci. & Res*. 11(6): 2168-2173. (Scopus, Q3)
11. Anusha K., Apoorva, A., Mona V and **Manjunatha Reddy A.H.** 2018. Risk factor analysis of cancer types, BRCA1 and BRCA2 using the mathematical models: A Review. *Journal of Microbiology and Experimentation*. 6(6): 258-265.
12. Pallavi Surana, Shruti Singh, Sumathra Manokaran and **AH Manjunatha Reddy**. 2018. The interactions between variants of GALT in Galactosemia: *In-silico* Approach. *International Journal of Fundamental & Applied Sciences*. 7(3): 14-18.
13. Uchit Bhaskar, Smriti Pimplikar, Alisha, Smitha K., Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2018. Sustainable production of algal biodiesel using *Chlorella pyrenoidosa*. *Mapana Journal of Sciences*, 17(4): 37-51.
14. Sadiya H., Sowmya Menon, Pushpa Agrawal and A.H. Manjunatha Reddy, 2015. Biosorption- An advanced and economical method for heavy metal removal: A review. *Environmental Science and Technology, Research Journal of Life Sciences*, 2(2); 43-49.
15. Harini P Aiyer and A.H. Manjunatha Reddy, 2013. Comparison of diatom community and diatom oil content in the lakes of Bangalore, *Journal of Ecology*, 107; 214-218.
16. Varsha Kishore, Harini P Aiyer and A.H. Manjunatha Reddy, 2013. Biodiesel as a prospective fuel in Karnataka, India. *Global Research Analysis*, 2(4); 9-10.
17. Harini P Aiyer and A.H. Manjunatha Reddy, 2013. Initial studies on diatoms ecology at Kengeri Lake. *Advances in Bioresearch*, 4(2); 34-37.
18. Pushpa Agrawal, A.H. Manjunatha Reddy, R. Praveen Kumar and H.N. Ravishankar, 2011. Alleviation of red rot disease of sugarcane by bio-agents. *International Congress of Environmental Research, ICER-11, LS-627*. 111.
19. Nazneen, K., K. V. Gururaja, A.H. Manjunatha Reddy and S.V. Krishnamurthy, 2001. Birds of Kuvempu University Campus, Shimoga District, Karnataka. *Zoo's Print Journal*, 16(8): 557 – 560.

National Conference:

1. Attended Bioengineering 2020 a National Conference (virtual) organized by Biotechnology and Medical Engineering Department, National Institute of Technology Rourkela between 10 - 11th December 2020 and presented posters.
2. National conference on environment, education, humanities, commerce, science & technology (EEHCST 2019). Organized by Deccan Environmental Research Organization (DERO), Vijayapur, Karnataka and Society for Environment and Sustainable Development (SESD), New Delhi on 28th September 2019.
3. AICTE Sponsored National Conference on “Emerging multidisciplinary trends in biotechnology engineering: A future perspective”. Organized by Acharya Institute of Technology, Bengaluru from 23 – 24th Aug 2019.
4. Sumathra Manokaran, **AH Manjunatha Reddy**, Abhik Dutta and Anirban Roy. 2019. Immobilization of bovine carbonic anhydrase and evaluation of enzyme activity and kinetic parameters. National conference on Environment, Safety, Education, Humanities, Commerce, Science and Engineering, held at Unique Zeal Institute, Bijapur, Karnataka on 28th Dec 2019.
5. Smitha K. Sumathra M and **A.H. Manjunatha Reddy**. 2019. Extraction of lutein from microalgae. National Conference on Phytochemical and microbial bioactive compounds-Role in agriculture and human welfare (PMBC-2019), organized by Bangalore University, Bangalore from 3-4 October 2019.
6. Shruthi Singh, Pallavi Surana, Priyadarshini V., Sumathra M. and **A.H. Manjunatha Reddy**. 2019. Interaction between variants of GALT in Galactosemia: An in silico approach. National Seminar on New Trends in Bio-Technology & 14th Conference of Society of Cytologist and Geneticists. Organized by Department of Biotechnology, BIET, Davanagere, from 6 – 8 March 2019.
7. Abhidith Shetty N., Harshit Beria, Prateek Sharma, Shreyasi Natraj, Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2019. Prevalence of hypertension and its associated risk factors using survey data. National Seminar on New Trends in Bio-Technology & 14th Conference of Society of Cytologist and Geneticists. Organized by Department of Biotechnology, BIET, Davanagere, from 6 – 8 March 2019.
8. Pallavi Surana, Shruti Singh, Anismita Saha, Tanisha Ujjain, Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2019. Designing an active Drug for Dengue. National Seminar on New Trends in Bio-Technology & 14th Conference of Society of Cytologist and Geneticists. Organized by Department of Biotechnology, BIET, Davanagere, from 6 – 8 March 2019.
9. Abhidith Shetty, N., Shreyasvi, N., Prateek Sharma., Harshit Beria., Santosh Kumar, M.S., Sumathra, M. and **A.H. Manjunatha Reddy**. 2018. Working model of purifier for the purification of waste water. National Conference on Biodiversity Conservation – Recent Developments and Future Strategies (BCRDFS-2018). Organized by Department of P. G. Studies and Research in Wildlife and Management, Kuvempu University, from 16 – 17 Nov 2018.
10. Shruti Singh., Pallavi Surana., M. Sumathra and **A.H. Manjunatha Reddy**. 2018. Computation of the Carbon content in the soils. National Conference on Biodiversity Conservation – Recent Developments and Future Strategies (BCRDFS-2018). Organized by Department of P. G. Studies and Research in Wildlife and Management, Kuvempu University, from 16 – 17 Nov 2018.
11. Janani, K., Aishwarya, R. Vittal, M. Sumathra and **A.H. Manjunatha Reddy**. 2018. Bioethanol production from plant-based waste biomass by yeast fermentation. National Conference on Biodiversity Conservation – Recent Developments and Future Strategies (BCRDFS-2018). Organized by Department of P. G. Studies and Research in Wildlife and Management, Kuvempu University, from 16 – 17 Nov 2018.
12. Uchit Bhaskar, Smruti Pimplikar, Alisha, Smitha K., Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2018. Sustainable production of algal biodiesel using *Chlorella pyrenoidosa*. National

- Conference on Emerging Trends in Biofuel and their impact on Global Economy (ETPBIGE) 2018, organized by Christ (Deemed to be University), Bangalore from 27-28 July 2018.
13. Pranav Padhye, M.S. Nagakumar, S. Sunil and **A.H. Manjunatha Reddy**. 2017. Activity based travel demand models to evacuate public transport policies. 1st Conference of Transportation Research Group of India, jointly organized by Indian Institute of Technology, Bombay and Sardar Vallabhbhai National Institute of Technology, Surat, held at Victor Menezes Convention centre, IIT Bombay, Mumbai from 17*20th December 2017.
 14. **A. H. Manjunatha Reddy** and S.V. Krishnamurthy. 2003. Habitat features of an endemic anuran *Nyctibatrachus aliciae* and its distribution in relation to microhabitat. Indian Science Congress. Poster presented in the forum: Animal, Veterinary & Fishery Sciences.
 15. S.V. Krishnamurthy, K.V. Gururaja and **A.H. Manjunatha Reddy**, 2002. Comparative studies on anuran diversity in various types of habitats of central Western Ghats. Indian Science Congress 2002. Forum: Zoology, Entomology & Fisheries.
 16. Anjanaa L Narasimhan, Shraddha Bhattacharjee and A.H. Manjunatha Reddy, 2014. Quality enhancement of pharma waste discharge. National Conference on Biodiversity Conservation and Sustainable Management, held at Kuvempu University, Shimoga from 25-26th March 2014.
 17. A H Manjunatha Reddy, Pruthvi S G, Dilip N, Madhu N and Shivanand D P, 2014. Biodiversity conservation using molecular tools of Biotechnology. National Conference on Biodiversity Conservation and Sustainable Management, held at Kuvempu University, Shimoga from 25-26th March 2014.
 18. Neetushree R.M. Krithika Badarinath, Harini P Aiyer and A.H. Manjunatha Reddy, 2012. Oligae studies from an urban lake from Bangalore (Kengeri) Karnataka. BIOTRENDS 2012 – A National Summit on Recent Trends in Biosciences to be held on 12th and 13th October 2012 at IIT Madras, Chennai.
 19. Vijay Ramesh and A.H. Manjunatha Reddy, 2012. Pre-roosting aggregations and foraging behaviour of the common Indian Myna. BIOTRENDS 2012 – A National Summit on Recent Trends in Biosciences to be held on 12th and 13th October 2012 at IIT Madras, Chennai.
 20. Harini P. Aiyer, Varsha Kishore and A.H. Manjunatha Reddy, 2012. The State of Art in DNA Computing, National Conference on Biological Sciences, held at Kuvempu University, Shankaraghatta, Shimoga, Karnataka, from 19-20th April, 2012.
 21. A.H. Manjunatha Reddy and Pushpa Agrawal, 2009. Coal as an advanced energy source. Current Trends in Environmental Science and Sustainable Development (NCESD-2009) held at Department of Studies in Environmental Science, University of Mysore from 27 - 28th February 2009.
 22. A.H. Manjunatha Reddy and Pushpa Agrawal, 2008. Colonization of Paraiah kite along the down flow of Vrishabhavathi river, submitted to BSBC-08 held at Kuvempu University, Shimoga, Karnataka, India from 13 – 15th March, 2008.

International Journal:

1. Ashly Binoy, Dhrithi Bhat, Jahnavi G Bhat, Sarvesha Babu M, **Manjunatha Reddy A H** and Sumathra Manokaran. 2022. Nutrigenomics in Lifestyle Disorders: A Review. ECS Transactions. 107(1): 9249-9264.
2. Arpita Guha Neogia, Aajnaa Upadhyayaa, Sumathra M and **Manjunatha Reddy**. 2022. Edible Packaging– Food for Thought and Food for The Future. ECS Transactions. 107(1): 13757-13771.
3. KN Subramanya, **AH Manjunatha Reddy**, Brahmanand D, and Sandesh S Kammath, Sumathra Manokaran and BE Rangaswamy. 2022. Application of MLOps in Prediction of Lifestyle Diseases. ECS Transactions. 107(1): 1191-1198.

4. **Manjunatha Reddy**, Sumanth Vasista, Sharath Vasista, Taher Abbasi and Sumathra Manokaran. 2022. Developing Grow Light Spectrum Optimization Algorithm for Plant Models: Case Study of *Spinacia oleracea*. ECS Transactions. 107(1): 1211-1218.
5. Krithika S., Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2022. A comprehensive update on emerging infectious zoonosis and applications of zoonotic disease modeling – A Review. ECS Transactions. 107(1): 1649-1662.
6. Nalina Narasimhaswamy, K.C. Rohit, B.E. Rangaswamy, 3 SG Divakara, Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2022. Biological Synthesis and Characterization of Silver Nanoparticles by *Orthosiphon rubicundus*. ECS Transactions. 107(1): 1643-1649.
7. Prutha Vijaykumar, BE Rangaswamy, Sumathra Manokaran and **AH Manjunatha Reddy**. 2022. A Paradigm Shift in Oncology and its Treatment. ECS Transactions. 107(1): 1183-1190.
8. Amulyashree Sridhar, Sharvani G.S., **Manjunatha Reddy A.H.** and Kalyan Nagaraj. 2020. Envisaging prominence of Indian telecom operators using an ensemble link based approach. Indian Journal of Computer Science and Engineering. 11(3): 297 – 310. (Scopus)
9. Kavadikeri, S., Manokaran, S. and **Reddy, A.H.M.** 2020. *Nitzschia palea* strain RVBT01, large subunit ribosomal RNA gene, partial sequence submitted to National Centre for Biotechnology Information. The Accession no. is MT023593, 795 bp, DNA, linear, PLN 11-FEB-2020
10. Kavadikeri, S., Manokaran, S. and **Reddy, A.H.M.** 2020. *Navicula cryptocephala* strain RVBT02 large subunit ribosomal RNA gene, partial sequence. The Accession no. is MT023594, 519 bp, DNA, linear, PLN 11-FEB-2020.
11. Surana Pallavi, Singh Shruti, Saha Anismita, Ujjain Tanisha, Manokaran Sumathra and **Manjunatha Reddy A.H.** 2020. In silico study of the therapeutic role of natural compounds in influenza A. *Research Journal of Biotechnology*. 15(6): 135 – 145. (Scopus, Q4)
12. Amulyashree Sridhar, Sharvani G.S., **Manjunatha Reddy A.H.** and Kalyan Nagaraj. 2020. Envisaging prominence of Indian telecom operators using an ensemble link based approach. Indian Journal of Computer Science and Engineering. 11(3): 297 – 310. (Scopus)
13. Tanusree Chaudhuri, Vidya Niranjana and **A.H. Manjunath Reddy**. 2019. Analysis of tuberculosis metagenome towards pathogenicity and screen of interlogs in human. *Journal of Pharma Research*. 8(6): 395-401.
14. Pratheek Sharma, Harshit Beria, Praveen Kumar Gupta, Sumathra Manokaran, **A.H. Manjunatha Reddy**. 2019. Prevalence of hypertension and its associated risk factors. *J. Pharma Sci. & Res.* 11(6): 2161-2167. (Scopus, Q3)
15. Aishwarya Vittal, Srikanth B S, Sumathra Manokaran, **A.H. Manjunatha Reddy**. 2019. Extraction of petrichor and essential oils for the production of Novelty fragrance products. *J. Pharma Sci. & Res.* 11(6): 2168-2173. (Scopus, Q3)
16. Priyanka R, Vasundhara M and **Manjunatha Reddy AH**. 2019. Chemo-profiling of *Curcuma aromatica* Salisbury rhizomes and leaves from South India. *Journal of Medicinal Plants Studies*. 7(4): 260-262.
17. Amulyashree Sridhar, Sharvani GS, Ramakanth Kumar P, **AH Manjunatha Reddy**, Kalyan Nagaraj. 2019. Biosociolink: A Decision Support System for Analyzing Link Properties in Biological and Social Networks. *International Journal of Engineering and Advanced Technology*. 9(1): 6062-6066. (Scopus, Q4)
18. Amulyashree Sridhar, Sharvani GS, **AH Manjunatha Reddy**, Biplab Bhattacharjee and Kalyan Nagaraj. 2019. The Eminence of Co-Expressed Ties in Schizophrenia Network Communities. *Data, MPDI*, 4(149): 1-23. doi:10.3390/data4040149. (Scopus, Q2)

19. Veerabhadrappe Kubsad Sukanya, Prashantha Nagaraja, Sumathra Manokaran, **Aall Hanumanthareddy Manjunatha Reddy**, Pallavi Surana. 2018. Microarray Meta Analysis of BRCA1 Mutated Genes Involved in Breast Cancer. Open Access Library Journal. 5: 1-14. DOI: 10.4236/oalib.1105000.
20. Kumar Vasanth, Bharathi Vidya, Agrawal Pushpa and Manjunatha Reddy A.H. 2017. Novelty of data mining techniques for bioinformatics approach. Journal of Environmental Research and Development. 11(4): 755-758.
21. Archana V. Pawar and **A.H. Manjunatha Reddy**, 2016. Transcriptome profiling of genes that govern the pigment systems of *Bombyx mori* variant Dazao. Animal Biology & Animal Husbandry. International Journal of the Bioflux Society, 8(2): 39-52.
22. Sanketi, B.D. Kothari M.A. and **Reddy Manjunatha A.H.** 2016. Enhancement of *Spirulina platensis* growth using coconut water supplemented media. J. Environ. Res. Develop, 11(1); 104-109.
23. Agrawal Pushpa, Pandey C Subhash and A.H. Manjunatha Reddy, 2014. Development of liquid formulation for dual purpose of crop protection and production, J. Environ. Res. Develop, 8(3); 378-383.
24. Nishka Ranjan and A.H. Manjunatha Reddy, 2014. Nano world: A novel path for modern drug delivery, Applied Mechanics and Materials, 491-491; pp. 123-128.
25. Jagadish Kumar, D. Harichandana and A.H. Manjunatha Reddy, 2013. Economical Synthesis of Magnetic Microbeads. The Journal of Material Science, Photon, 119; 133-136.
26. S.Thirumala. A.H.Manjunatha Reddy and H.B. Aravinda. 2012. Air borne fungi diurnal congregation in industrial sectors of Davanagere city, Karnataka, India. International Journal of Engineering Sciences Research, 3(3); 707 – 710.
27. S.Thirumala. A.H.Manjunatha Reddy, Pradeep Nathu and H.B. Aravinda. 2012. Study of Airborne Fungi at Solid Waste Generation Sites of Davanagere City, Karnataka, India. International Journal of Research in Environmental Science and Technology, 2(2); 17 – 21.
28. Mahesh, S., **A.H. Manjunatha Reddy** and G. Vijaya Kumar, 2011. Studies on antimicrobial textile finish using certain plant natural products. International Conference on Advances in Biotechnology and Pharmaceutical Sciences, Bangkok; Proceedings, 253-259.
29. Lingayya Hiremath, Pushpa Agrawal and A.H. Manjunatha Reddy, 2011. Isolation, purification and characterization of protein from Lantana camara Linn., antagonistic against Colletotrichum falcatum, Went. International Journal of Engineering Sciences Research, 2(5); 358 – 362.
30. Upendra, R.S., Pratima Khandelwal and A.H. Manjunatha Reddy, 2011. Turmeric powder (*Curcuma longa* Linn.) as an antifungal agent in plant tissue culture studies. International Journal of Engineering Science and Technology, 3(11); 7899 – 7904.
31. Yogendra K., Arpana P.S., Puttaiah E.T and A.H. Manjunatha Reddy, 2010. Occurrence of allergenic fungi in the ambient air of Bhadravathi town, Shimoga dist, Karnataka state, India. International Journal of Biomedical and Pharmaceutical Sciences, 4(2): 111-113.
32. Krishnamurthy S.V. and A.H. Manjunatha Reddy, 2008. An estimate of local population of *Nyctibatrachus aliciae* at two habitat gradients of forest in Western Ghats. Acta Herpetologica, 3(1): 51-55.
33. Dinesh KP, Radhakrishna C, Manjunatha Reddy A.H. and Gururaja KV. 2008. Taxonomic reasoning: The case of giant wrinkled frog. Current Science, 94(8):965-966.
34. K.P. Dinesh, C. Radhakrishnan, A.H. Manjunatha Reddy and K.V. Gururaja. 2007. *Nyctibatrachus karnatakaensis* nom. nov. A replacement name for the gaint wrinkled frog from the Western Ghats. Current Science, 93(2); 246 – 250.

35. Krishnamurthy, S. V., K. V. Gururaja and A. H. Manjunatha Reddy. 2002. Direct development in *Philautus glandulosus* (Anura: Rhacophoridae). *Herpetological Natural History*, 9(1): 97 – 102.
36. Manjunatha Reddy, A.H., K. V. Gururaja and S. V. Krishnamurthy. 2002. Habitat features of *Micrixalus saxicola* Jerdon, 1854 in the Western Ghats, India. *Amphibia-Reptilia*, 23: 370 – 374.
37. Gururaja, K. V., A. H. Manjunatha Reddy, J. Keshavayya and S. V. Krishnamurthy. 2002. Habitat occupancy of *Nyctibatrachus major* (Boulenger). *Russian Journal of Herpetology*, 10(2): 91 – 96.
38. Krishnamurthy, S.V., A. H. Manjunatha Reddy and K. V. Gururaja. 2001. A new species of frog in the genus *Nyctibatrachus* (Anura: Ranidae) from the Western Ghats, India. *Current Science*, 80(7): 887 – 891.
39. Manjunatha Reddy, A.H., K.V. Gururaja, M.S. Ravichandran and S.V. Krishnamurthy. 2001. Range extension of *Ansonia ornata* (Gunther, 1875) and *Indirana brachytarsus* (Gunther, 1875). *Hamadryad*, 26(2): 358 – 359.
40. Krishnamurthy, S.V., K.V. Gururaja and A.H. Manjunatha Reddy. 2001. *Nyctibatrachus major* (Boulenger) Feeding Habits. *Herpetological Review*, 32(3): 182.

International Conference:

1. Attended International Conference on Technologies for Smart Green Connected Societies 2021 organized by SPAST Foundation and Associated Partner Institutions (including RVCE) between 29-30th November 2021.
2. Attended International Conference on Nurturing Innovative Technological Trends in Engineering BIOScience (NITTE-BIO) organized by NMAM Institute of Technology, NITTE Karnataka, between 1 – 20th November 2021.
3. Attended a webinar ‘Create better customer experiences with Design Thinking’ by the Graduate School of Stanford Business, Organized by Great Learning, on 25th April 2020.
4. Nalina D., Nalina N., Rohit, K.C., Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2019. Characterization of phyto-compounds produced from *Gymnema sylvestre* R.Br through adventitious root culture. International Conference on Materials For Environment, Sustainable Society And Global Empowerment – 2019 (MESSAGE - 2019), at Department of Nanotechnology, Visvesvaraya Technological University, Center for Postgraduate Studies, Bengaluru Region, Muddenahalli, Chikkaballapur, from 19-20, December, 2019.
5. Nalina N., Nalina D., Rohit, K.C., Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2019. Biosynthesis and characterization of Silver nanoparticles (AgNPs) from the phyto-extracts of *Lamiaceae* species for their biological activity study. International Conference on Materials For Environment, Sustainable Society And Global Empowerment – 2019 (MESSAGE - 2019), at Department of Nanotechnology, Visvesvaraya Technological University, Center for Postgraduate Studies, Bengaluru Region, Muddenahalli, Chikkaballapur, from 19-20, December, 2019.
6. Smita Kavadikeri, Sumathra Manokaran and **A.H. Manjunatha Reddy**. 2019. Phycoremediation and biodiesel production using diatom. International Conference on Materials For Environment, Sustainable Society And Global Empowerment – 2019 (MESSAGE - 2019), at Department of Nanotechnology, Visvesvaraya Technological University, Center for Postgraduate Studies, Bengaluru Region, Muddenahalli, Chikkaballapur, from 19-20, December, 2019.
7. Bhargav D. Sanketi, Arpit M. Kothari and **A. H. Manjunatha Reddy**. 2016. Enhancement of *Spirulina platensis* growth using coconut water supplemented media. 8th International Congress of Environmental Research, held at Luebeck University of Applied Sciences, Luebeck, Germany from 27-28th July 2016.

8. Anusha Muralidhar, Pushpa Agrawal and **A. H. Manjunatha Reddy**. 2016. CRISPR: Site specific cleave. 8th International Congress of Environmental Research, held at Luebeck University of Applied Sciences, Luebeck, Germany from 27-28th July 2016.
9. Sadiya,H., Swetha,M., Pushpa Agrawal, B.S. Satyanarayana and A.H. Manjunatha Reddy, 2014. Removal of heavy metals using aquatic weeds and Pongamia cake. 7th International Congress of Environmental Research, held at RV College of Engineering, Bengaluru, from 26-28th December 2014.
10. Ruhi Gautam, Sonali Sirdesai, Varsha Jain, Arpit M. Kothari, Pushpa Agrawal and A.H. Manjunatha Reddy, 2014. Coconut water as a medium for Spirulina cultivation. 7th International Congress of Environmental Research, held at RV College of Engineering, Bengaluru, from 26-28th December 2014.
11. Smita Kavadikeri and A.H. Manjunatha Reddy, 2014. Biodiesel Production from potential diatom. 7th International Congress of Environmental Research, held at RV College of Engineering, Bengaluru, from 26-28th December 2014.
12. Pushpa Agrawal, A. H. Manjunatha Reddy, Preeti Airen and Thippareddy, 2014. Biological production of clean fuel from coal. 7th International Congress of Environmental Research, held at RV College of Engineering, Bengaluru, from 26-28th December 2014.
13. Meghana Govardhan, Namrata S., Navitha G. A., Venkatesh S. and A. H. Manjunatha Reddy, 2014. Intelligent water purity indication system. 7th International Congress of Environmental Research, held at RV College of Engineering, Bengaluru, from 26-28th December 2014.
14. Disha Banerji, Gouri Praveen, Paridhi Gautam and A.H. Manjunatha Reddy, 2014. Environmental management system in RVCE, Bangalore, India, 7th International Congress of Environmental Research, held at RV College of Engineering, Bengaluru, from 26-28th December 2014.
15. Manasa D.A. and A.H. Manjunatha Reddy, 2014. Next generation fuels. 7th International Congress of Environmental Research, held at RV College of Engineering, Bengaluru, from 26-28th December 2014.
16. Nishka Ranjan and A.H. Manjunatha Reddy, 2013. Nano world: A novel path for modern drug discovery. International Conference on Nanotechnology and Biosensors, held at Paris, France, from 20-21st December 2013.
17. S.K. Sumayya and A.H. Manjunatha Reddy, 2013. Biodiesel as an alternative to combat global warming. International Conference on Biotechnology, Bioinformatics and Bioengineering, held at Tirupati from 2-29th June, 2013.
18. Harini P. Aiyer, R.M. Neethushree, Krithika Badarinath and A.H. Manjunatha Reddy, 2012. Initial Studies on Diatom Diversity at Kengeri Lake, Bangalore west, Karnataka, India. 5th International Congress of Environmental Research, held at Universiti Malaysia Terengganu, Malaysia, from 22-24th November, 2012.
19. Nisha Nataraj, Rajeshwari B. R., Ramya G. P., Pushpa Agrawal and A H Manjunatha Reddy, 2012. Production of Biodiesel by Enzymatic Trans-esterification of Honge oil, Bangalore, Karnataka, India. 5th International Congress of Environmental Research, held at Universiti Malaysia Terengganu, Malaysia, from 22-24th November, 2012.
20. Varsha Kishore, Harini P Aiyer, Pushpa Agarwal and A.H. Manjunatha Reddy, 2012. Usage of biodiesel as a modern fuel. 5th International Congress of Environmental Research, held at Universiti Malaysia Terengganu, Malaysia, from 22-24th November, 2012.
21. Harini P. Aiyer, Varsha Kishore, K.J. Harish and A.H. Manjunatha Reddy, 2012. The State of Art in Mesenchymal Stem Cells in Tissue Engineering. 3rd World Congress on Biotechnology, held at Hyderabad, from 13-15th September, 2012.

22. Mahesh, S., A.H. Manjunatha Reddy and G. Vijaya Kumar, 2011. Studies on antimicrobial textile finish using certain plant natural products. International Conference on Advances in Biotechnology and Pharmaceutical Sciences, Bangkok; Proceedings, 253-259.
23. Pushpa Agrawal, A.H. Manjunatha Reddy, R. Praveen Kumar and H.N. Ravishankar, 2011. Alleviation of red rot disease of sugarcane by bio-agents. International Congress of Environmental Research, ICER-11, LS-627. 111.
24. Arpana P. Sharma, Yogendra. K, Puttaiah, E.T and A.H. Manjunatha Reddy, 2009. A Study on the Density and Diversity of Allergenic Fungi in the Ambient Air of Bhadravathi Town, Shimoga District, Karnataka State, India, International Symposium on Environmental Pollution, Ecology and Human Health held at Sri Venkateswara University, Tirupati, India, from 25 – 27th July 2009.

FDP/Workshops/ Seminars/ Symposium attended:

1. Attended One Week Online Teachers Training Program on “An overview of Teaching Techniques in Innovation and Design Thinking”, organized by AICTE-VTU Joint Training Program for Teachers between 27-31st Dec 2021.
2. Attended one week online Short Term Technical Program on “Startup Driven Bioinnovation and IOT for Sustainable Agritech” organized by The Oxford College of Engineering, Bangalore, between 13-18th December 2021.
3. Attended Quantum Computing in Automobile Sector webinar series on Exponential Technologies organized by Bangalore Chamber of Industry and Commerce (BCIC) on 27th November 2021.
4. Attended Mechatronics webinar series on Exponential Technologies organized by Bangalore Chamber of Industry and Commerce (BCIC) on 13th November 2021.
5. Attended 5G Advanced Technologies and Applications, webinar series on Exponential Technologies organized by Bangalore Chamber of Industry and Commerce (BCIC) on 23rd October 2021.
6. Attended Digital Supply Chain webinar series on Exponential Technologies organized by Bangalore Chamber of Industry and Commerce (BCIC) on 25th September 2021.
7. Attended Faculty Development Program “Biofuels: Recent Trends and Future Prospects”, organized by Sree Buddha College of Engineering, Pattoor, Allapuzha, Kerala, between 30th Aug – 3rd Sept. 2021.
8. Attended Faculty Development Program “Towards Holistic Development” based on NEP 2020, organized by PIT, Pune between 15-19th June 2021.
9. Attended One week Universal Human Values workshop (virtual) organized by AICTE between 03-07th May 2021.
10. Attended Ample Live Learn Implementer Workshop Level 1 at National Level (virtual) organized by Omnex Academy on 27th Jan 2021
11. Attended five days Faculty Development Program (FDP Virtual) on Trends in Computational Biology, organized by Sapthagiri College of Engineering, between 9 - 13th December 2020.
12. Attended one week online program on “Data Analysis Using R, Level 1” by Meerashpa Learning Solutions between 26 - 30th October 2020.
13. Attended one week The Bioinformatics Boot Camp offered by Experteze via online between 14 - 18th September 2020.
14. Attended two days Live online course on “Fundamental Course on Movie Making” by Shristi and hosted by Ecoskillarts between 12 - 13th September 2020.

15. Attended Online Training Program on Simple System Application Development (Animation and Image Processing) by EdGate University Program, between 28 - 30th August 2020.
16. Attended one week International Faculty Development Program on 'Technology Assisted Teaching and Virtual Learning Through ICT Tools' by SVBR, Degree and PG College, Kadapa, Andra Pradesh, between 25 - 30th May 2020.
17. Attended a training program on Ecology and Biodiversity: Functional Area Studies. Organized by Biohm Consultare Pvt. Ltd., Surat in association with Scientific Planet Society, Dehradun on 12th October 2019.
18. Workshop on "Intellectual Property Rights and Innovations with Special Focus on Prior Art Search". Organized by Department of Biotechnology, RV College of Engineering®, Bengaluru on 13 - 14th September 2019.
19. Short Term Training Programme (STTP) On "Creating and Sustaining Ethical Workplace Culture" at RV College of Engineering®, Bengaluru. Organized by Department of Chemistry, RV College of Engineering® from 19-24 Aug 2019.
20. Workshop on Biotechnology for Metals Production and Microbial Aspects of Environmental Pollution and control. Organized by VTU, at Regional Office, Bengaluru on 25th April 2019.
21. National Seminar on New Trends in Biotechnology, 14th Conference of Society of Cytologists and Geneticists and Bio Entrepreneurship Summit. Organized by Department of Biotechnology and Research Centre, Bapuji Institute of Engineering & Technology Davangere, from 6 – 8 March 2019.
22. New Model Curriculum for PG Course (M.Tech/MBA/MCA) CBCS Detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including Course Outcomes (CO) and Bloom's Taxonomy under TEQIP 1.3 held at BNMIT on 6th August 2018.
23. Two days Faculty Development Program: Know your intellectual property rights – patent awareness workshop, sponsored by DST-TIFAC, Govt. of India in association with KSCST and VTU, held at The Oxford College of Engineering, Bengaluru 560068, 28 – 29 December 2017.
24. Advanced Pedagogy, TEQIP II Initiative organized at RV College of Engineering, Bangalore, 28th December 2015 to 05th January 2016.
25. Faculty Development Program on Proteomics and Drug Design, organized by Department of Biotechnology, BMS College of Engineering, Bangalore, 22 – 26 July 2014.
26. Next Generation Sequencing Analysis organized by Department of Biotechnology, RV College of Engineering, 20 – 21 February 2014.
27. Mentoring Skill Finishing School program organized by National Entrepreneur Network, at National School of Business, Jayanagara, Bangalore from 31st January to 1st February 2014.
28. Paths and Processes to Achieve Excellence in Technical Education, A TEQIP II Initiative Orientation program organized by RV College of Engineering and State Project Facilitation Unit (SPFU), Govt. of Karnataka, on 14th August 2013.
29. Sustainable Campuses, volunteered in the Inaugural event of the Sustainable city series by TiE, iihS and RVCE, held at RV College of Engineering, on the eve of Earth Day, the 20th April 2013.
30. Stochastic processes in Engineering and Technology, A TEQIP II Initiative workshop organized by Department of Industrial Engineering, Mathematics and Master of Computer Applications, RV College of Engineering, Mysore Road, Bangalore 59, from 18 – 20 July, 2013.
31. Trainers Training Programme, organized by Entrepreneurship Development Cell, Visvesvaraya Technological University, at Ballari Institute of Technology and Management, Ballari held between 16 – 21 August, 2011.

32. Faculty Development Programme on Green Chemistry and Environment jointly organized by RV College of Engineering and Vision Group of Science and Technology held between 17 – 19th February, 2011.
33. Statistica Dataminer Tool Training Workshop on Data warehousing and Datamining Techniques organized jointly by RV College of Engineering and Statsoft from 5 – 6 February, 2010.
34. Upstream and Downstream Technology, organized by RV College of Engineering from 20th & 27th January, 2010.
35. Faculty Development Programme on Environmental Biotechnology organized at PES Institute of Technology, BSK III Stage, Bangalore, jointly organized by VGST and VTU, held between 14 – 19 December, 2009.
36. Out Bound Learning Program on Counselling at Pegasus Institute of Excellence, Bengaluru Centre from 24 – 25 January 2009.
37. Symposium on Conservation and Management of River and Lake Ecosystems (Lake 2008), organized by Indian Institute of Science, Bangalore held between 22 – 24 December, 2008.
38. TEQIP sponsored technical symposium on Insilico Drug Design and Clinical Research organized by Department of Biotechnology, BMS College of Engineering, Bangalore-19 held on 7th November, 2008.
39. ISTE Short Term Training Program sponsored by AICTE-ISTE, New Delhi, organized by Department of Chemistry and Civil Engineering, Bapuji Institute of Engineering & Technology, Davanagere, Karnataka, India from 16 – 20 June 2008.
40. 1st School in Herpetology, organized by North Orissa University, sponsored by Department of Science and Technology, from 27th December 2007 to 8th January 2008.
41. ISTE Short Term Training Program on “Downstream Processing” sponsored by AICTE, held at RV College of Engineering, Mysore Rd, Bangalore from 12 – 16 March, 2007.
42. Faculty Induction Training Programme at R.V. College of Engineering, jointly organized by RVCE and Metis India Ltd., from 8 – 10 March, 2007.
43. Chemistry for changing times (Kuvempu University), at Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga Dist.
44. Concise course on Advanced Instrumental Chromatographic Techniques (Indian Council of Chemists, Chromatography Society of India and Kuvempu University) at Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga Dist.
45. Workshop on Design Thinking. Organized by Department of Industrial Engineering and Management, RVCE in Association with University of Applied Sciences Wurzburg-Schweinfurt, Germany, from 30th September 2019 to 1st October 2019.
46. International Symposium on Environmental Pollution, Ecology and Human Health organized by Department of Zoology, S.V. University, Tirupathi, Andra Pradesh, India, held between 25 – 27 July 2009.

Book Chapters:

- Pranav Padhye, M. S. Nagakumar, S. Sunil and **A. H. Manjunatha Reddy**. 2020. Activity-Based Travel Demand Models to Evaluate Transport Policies. Transportation Research, Proceedings of CTRG 2017. Lecture Notes in Civil Engineering, Ed: Tom V. Mathew, Gaurang J. Joshi, Nagendra R. Velaga and Shriniwas Arkatkar.

- Harini P. Aiyer, Smitha Kavadikeri, Sumathra Manokaran and **A. H. Manjunatha Reddy**. 2021. Studies on Diatom Ecology at Kengeri Lake, Chapter 1, New Visions in Biological Science Vol. 5, DOI: 10.9734/bpi/nvbs/v5/5183F.
- Praveen Kumar Gupta, Shweta Sudam Kallapur, Anusha Mysore Keerthi, Soujanya Ramapriya, **A. H. Manjunatha Reddy** and Sumathra Manokaran. 2022. Smart Applications of Internet of Things (IoT) in healthcare. Book Chapter. In: Human-Machine Interaction and IoT Applications for a Smarter World. Ed: Nishu Gupta Srinivasa Kiran Gottapu Rakesh Nayak Anil Kumar Gupta Mohammad Derawi Jayden Khakurel. CRC Press, Taylor & Francis Group. 119-134.
- Praveen Kumar Gupta, Anushree Vinayak Lokur, Shweta Sudam Kallapur, Ryna Shireen Sheriff, **A. H. Manjunatha Reddy**, V. Chayapathy, Sindhu Rajendran, and Keshamma E. 2022. Machine Interaction based Computational Tools in Cancer Imaging. Book Chapter. In: Human-Machine Interaction and IoT Applications for a Smarter World. Ed: Nishu Gupta Srinivasa Kiran Gottapu Rakesh Nayak Anil Kumar Gupta Mohammad Derawi Jayden Khakurel. CRC Press, Taylor & Francis Group. 167-188.

Interaction with outside world

- Nominated as Member of Board of Examiners for VTU for Biotechnology (Composite) Board since Oct. 2020 to Oct. 2021.
- BoE Member for VTU consortium of Biotechnology for 2018-19.
- Special Invitee, M. Tech-Bioinformatics and Biotechnology Board, Visvesvaraya Technological University, Belagavi, since 2016.
- VTU Nominee for Board of Studies for New Horizon College of Engineering, an autonomous institution affiliated to VTU from Sept 2015 to Sept 2017.
- MoU with Sri Sri Ravishankar Advanced Center for Research
- MoU with Bioneds India Pvt. Ltd. Bangalore
- MoU with Quantumzyme LLP, Bangalore
- MoU with Sal Biosciences, Bangalore
- MoU with Vowels Life Sciences, Bangalore

The MoU with above mentioned industries/institutions are in line with the research and development activities, consultancy and the student's placements and internships.

Consultancy Projects:

- Sal Biosciences Pvt. Ltd.: Since 2018 involved with Sal Bioscience, a startup company. Since 2021, consultancy charges have been paid to the college.
- Production of biodiesel from various oil yielding plant seeds, sponsored by Karnataka State Biodiesel Board. Currently working as a co-investigator in this project. The project is mainly aims at collection of the oil yielding seeds from the local farmers (Ramanagara District farmers), encouraging them to grow more and more these plants by conducting awareness camps and workshops. The collected seeds will be subjected to extract the oil and then undergoing the product to transesterification to convert it to the biodiesel. The R&D work involves the more and more percentage of blending the biodiesel into the regular diesel and its efficiency studies. Modification of the transesterification is also one of the aims to reduce the base substitution reaction to biological reaction. The project started since June 2012 and is continuing successfully. TEN awareness programs and TWO training programs for the farmers have been conducted by me, till July 2013 in Magadi Taluk and Kanakapura Taluks of Ramanagara

district. This project is a continuous project for the life time of the college / institution. (Project total cost Rs. 46.00 Lakhs including revolving funds till 2017 and attain the self financing status by selling the oil, cake and biodiesel).

Funded Projects:

- As a co-investigator involved in a research project on 'Bioconversion of coal into clean fuels', funded by Central Mining Industry, Govt. of India, since February 2009. Project successfully completed. (Project total cost Rs. 45.36 Lakhs).
- As a co-investigator involved in a research project on 'Biological control of red rot disease of sugarcane funded by Dept. of Biotechnology, Govt. of India, since June 2009 for 3 years. Project successfully completed. (Project total cost Rs. 10,27 Lakhs).

Awards

1. RSST has honored in Recognition with pride for the achievements in the previous year (2019) on 26th January 2020.
Best Environmentalist Award: Received Best Environmentalist Award for 2019 from Deccan Environmental Research Organization (DERO) on 28th September 2019.
2. **RSST** has honored in Recognition with pride for the achievements in the last year (2016) on 26th January 2017.
3. **RSST** has honored in Recognition with pride for the achievements in the last year (2014) on 26th January 2015.
4. **Young Researcher Award:** Received Young Researcher Award for 2014 from ISTE-RVCE chapter and Cognizant Technology Solutions, honored on Teachers Day Celebration at RVCE on 27th September 2014.
5. Received **Fellow of International Congress of Environmental Research (FICER)** membership from G SEED, Bhopal on 28th December 2014.
6. **Aryabhata National Award:** Janamana Samskruthika Ghataka and Nudi Muthu Prathishtana have conferred Aryabhata National Award for contribution to environment on 07th July 2012 at Town Hall, Bangalore, Karnataka, India.
7. **Academic Excellence Award:** ISTE-RVCE Chapter has honored Academic Excellence award for Research activities and Publications on 9th September 2008.

Guiding PhD students:

Five students have registered for PhD in VTU, one student (Mrs. Smitha K) have completed the course work, one student (Mrs. Thanushree) has written the exam and 3 students yet to take their course work. Apart from that I am Co Guide to 2 student (Ms. Amulyashree S. and Mrs. Priyanka).

1. Mrs. Smitha K. USN: 1RV15PGJ05 Topic, Registered date.
2. Mrs. Thanushree USN: 1RV16PGJ01 Topic, Registered date.
3. Mrs. Nalina D. USN: 1RV19PBT03 Topic, Registered date.
4. Mrs. Nalina N. USN: 1RV19PBT02Topic, Registered date.
5. Mrs. Priyanka R: 1RV18PBT03
6. Ms Amulyashree S. (1RV16PEJ23) as Co-Guide

Extra curricular involvement:

1. Conducted and Delivered a Webinar on “Fundamentals of Biostatistics” on 23.05.2020, it was open for registration across India and abroad. A total of 488 registrations happened across India and 2 students from abroad. The participants involved, Students, Research Scholars, Faculty, Scientists, Medical Doctors and others. The webinar mainly focused on understanding and analysis of the biological data. Dr. K.N. Subramanya, Principal has delivered talk on Statistical Distributions and interacted with the participants.
2. Completed online COVID-19 Awareness Program, secured 92%, DKTE Society’s Textile and Engineering Institute, Ichalkaranji, on 12.05.2020.
3. Participated in Knowledge of online platforms and applications program - “Lockdown: Online Boon”, Anekant Institute of Management Studies, Baramati on 15.05.2020.
4. Participated in webinar on Socio-Economic Impact of COVID-19 in India, Mahamaya Govt. Degree College, Dhanupur, Prayagraj on 15.05.2020.
5. Solemnly pledged and completed online COVID-19 Awareness Program organized by DKTE Society’s Textile and Engineering Institute, Ichalkaranji for the commitment to discharge the services to the nation as a responsible citizen on 12.05.2020 with 92% score.
6. Delivered an Expert talk on SAS programming at Sathagiri College of Engineering, Hesaraghatta Road, Bengaluru, on 05th November 2019 to BE Biotechnology Students, there were 45 students, 2 faculty present for the talk.
7. Delivered an Expert talk on SAS programming at The Oxford College of Engineering, Bommanalli, Bengaluru, on 29th November 2019 to BE Biotechnology Students, there were 39 students, 3 faculty present for the talk.
8. Dr. A.H. Manjunatha Reddy, participated in Run for Vrushabhavati between Kengeri to Bangalore University, on 22 September 2019 for a Societal cause.
9. Chaired a Session at 4th International Conference on Science, Agriculture and Technology for Society, organized by VMS Research Foundation and East West Institute of Technology, between 13-15th May 2019.
10. Delivered expert talk on Statistical Applications and their significance on wildlife data to Post Graduate Students of Wildlife Management, Kuvempu University at Jnana Sahyadri, Kuvempu University, between 02-03rd Apr 2019.
11. Delivered expert talk on Applications of Statistics in Research methodology, in a workshop on Research Activities for SC, ST Research Scholars at Jnana Sahyadri, Kuvempu University, on 27 Mar 2019.
12. Delivered expert talk on Current trends in biofuels at Dept. of Biotechnology, NMKRV College for Women, on 16th Mar 2019.
13. Chaired a Session at National Seminar on new trends in biotechnology, 14th conference of society of cytologists and geneticists and Bio Entrepreneurship Summit. Organized by Department of Biotechnology and Research centre, Bapuji Institute of Engineering & Technology Davangere, from 6 – 8 March 2019.
14. Conducted and delivered a talk on awareness about the biodiesel and the role of the school children and farmers towards the sustainable development of the biodiesel in the villages, at Govt. High School, Dodderi, Bangalore Rural District. on 8th August 2018.
15. Conducted and delivered a talk on awareness about the biodiesel and the role of the school children and farmers towards the sustainable development of the biodiesel in the villages, at Govt. High School, Thoksandra, Kanakapura Taluk, on 25th January 2018.

16. Delivered Technical Lecture on the Sampling techniques and its significance in research at a workshop on 'Research Methodology' organized by Dept. of Biotechnology, MSRIT, Bengaluru on 4th March 2017.
17. Participated in India's 1st Eco Driveathon organized by Jyothy Institute of Technology, Bengaluru, in association with KSBDB, MNRE, IOCL and Sringeri Math, between 17-19th Feb 2017. The drive is between Bengaluru to Sringeri and back covering about 700 km at different speeds at different stretches. The vehicle was run using biodiesel (B10).
18. Coordinator in E Summit conducted between 16-18th Feb 2017. One of the events (IIPL Auction) coordinated on 16th Feb 2017.
19. Delivered expert talk on Statistical Applications and their significance on wildlife data to Post Graduate Students of Wildlife Management, Kuvempu University at Jnana Sahyadri, Kuvempu University, between 03-05th Feb 2017.
20. Expert talk on R programming was organized for PG students of BBI, BBT, CSE, ISE and IEM students on 10.11.2016, through Predictive Analytics Company, Bengaluru.
21. Member for International Conference on Smart Engineering Materials organized by Dept. of Mechanical Engineering, RV College of Engineering, between 22-24th October, 2016.
22. Co-Chaired a technical session and session manager in two different technical sessions of Smart Engineering Materials organized by Dept. of Mechanical Engineering, RV College of Engineering, between 22-24th October, 2016.
23. Coordinated 8th International Congress of Environmental Research, held at Luebeck University of Applied Sciences, Luebeck, Germany, between 27-28th July 2016.
24. Delivered expert talk on Statistical Applications on wildlife data to Post Graduate Students of Wildlife Management, Kuvempu University at Jnana Sahyadri, Kuvempu University, between 11-12th April 2016.
25. Chaired a session in UGC Sponsored One day National Seminar on "Modern Trends in Genetics, Molecular Biology" held at Department of Zoology on 03.09.2015 at Govt. First Grade College, Davanagere, Karnataka, India.
26. Delivered an expert talk on Advanced Environmental Impact Assessment techniques to B.Sc and M.Sc students of Kuvempu University and Sahyadri Science College at Sahyadri Science College, Shivamogga during one day seminar on "Environmental Management and career opportunities in Environmental Science" on 31st March 2015.
27. Organizing 7th edition of International Congress for Environmental Research 2014, an International Conference jointly organized by RVCE (TEQIP II initiative) and JERAD during 26-28th December 2014. As an organizing secretary, taking most of the responsibilities.
28. Organized One day workshop on hydroponics as an initiative for zero waste in the campus, as a core committee member for the series of workshops on the same theme. Zero waste workshop on 5th June 2014.
29. Coordinated in Golden Jubilee 8th Mile activities between 19-23rd March 2014.
30. Presented an 'Expert Talk' on Basics of Biostatistics to B.Sc and M.Sc students of Govt. Science College, Chitradurga, Davanagere University, in "Special Lecture Series" organized by Govt. Science College, Chitradurga, on 3rd March 2014.
31. Organized Earth Day celebrations with TiE, iihS and RVCE at college level (2013).
32. Represented inter collegiate cricket team (2013).
33. Coordinated DST instrumentation meet for South Indian states, held at RV College of Engineering.
34. Coordinated TEQIP II, NPIU National Level Project Review Program at Taj West End and Hotel ITC Windsor Manor, Bangalore between 21st and 22nd September, 2013 respectively.

35. Organized One day workshop on Zero waste as an initiative for zero waste in the campus, as a core committee member for the series of workshops on the same theme. Zero waste workshop on 21st August 2013.
36. Chaired a session in 5th International Congress of Environmental Research, held at Universiti Malaysia Terengganu, Malaysia, from 22-24th November, 2012.
37. Organized cyclothon in relation to environmental awareness at college level (2012).
38. Organized walkathon in relation to environmental awareness at college level (2012).
39. Managing the eco club activities at college level, which focus on the environmental aspects (2012).
40. Organized Go Green walkathon program in relation to environmental awareness at departmental level (2011).

MoUs and collaborations:

- Collaborated with Sri Sri Ravishankar Advanced Center for Research for R & D activities, an MoU has been executed.
- Collaborated with Quantumzyme company for Placement and Internships and R&D activities.
- **Collaborated with Bioneds India Pvt. Ltd. Bangalore towards R & D, Internships and Placements to the students.**
- **Collaborated with Sal Biosciences, Bangalore towards R & D, Internships and Placements to the students.**
- **Collaborated with Vowel LifeSciences, Bangalore towards R & D, Internships and Placements to the students.**

Reviewer for journals and Editorials:

- PLOS
- Editorial Board Member for Computational Molecular Bioscience,
- Editorial Board Member for Proceedings of the National Academy of Sciences, India Section B: Biological Sciences.
- Editorial Board Member for MAT Journals, since March 2017.
- Editor, Journal of Environmental Biology
- Hon. Editorial Board Member-Consulting Editor, Journal of Engineering Technological Research.
- Asian Journal of Agricultural Extension, Economics and Sociology.
- Uttarpradesh Journal of Zoology.
- Journal of Agriculture and Ecology Research International.