



## CURRICULUM VITAE

<b>NAME</b>	<b>Dr. RAJU N.S.</b>
<b>DESIGNATION</b>	<b>Professor of Environmental Science</b>
<b>ADDRESS</b>	Department of Studies in Environmental Science, University of Mysore, Manasagangothri, Mysore- 570 006 , Karnataka, India
<b>EDUCATIONAL QUALIFICATION</b>	M.Sc., M.Phil., Ph.D
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<b>CONTACT</b>	+ 0821-2419630, 9448345959
<b>AREA OF SPECIALIZATION</b>	Bioremediation, Environmental Microbiology and Biotechnology, Microbial degradation of pesticide and pollutants, Water and Waste water biology
<b>Research Recognition</b>	Citations - 600. h- index-11, i-10 index -15 Cumulative Impact Factor: 30.02 ORCID <a href="https://orcid.org/0000-0002-4671-571X">0000-0002-4671-571X</a>

### I. AWARDS AND RECOGNITION

<b>SL NO</b>	<b>NAME OF THE AWARD</b>	<b>AWARDING INSTITUTION</b>	<b>YEAR</b>
01	University Post Graduate Fellowship JRF	Mysore University	1996
02	Council of Scientific and Industrial Research Fellowship SRF	(CSIR, Govt. of India)	2002
03	P.R. Verma Award Competition for Ph.D. Students	Asian Congress of Mycology and Plant Pathology	2002
04	Fellow of International Society of Biotechnology	Indoor Madhya Pradesh	2009
05	Fellow of International Society of Chemistry and Environment	Indoor Madhya Pradesh	2010
06	DST Fast Track Young Scientist Award	DST Govt of India	2011
07	Travel Grant Award for the International meeting to attend International conference	DST Govt of India	2011

## II. RESEARCH PROJECTS

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	GRANT IN LAKHS (INR)	DURATION	PI/CO-PI
1.	Application of novel methods for routine testing of potable water samples for bacterial contamination	UGC New Delhi	9.5	2008-2011 Completed	Principal Investigator
2.	Screening of Organophosphorus Pesticide degrading Microorganisms in Polluted Soils of Mysore District	DST -GOV New Delhi	20.00	2011-2014 Completed	Principal Investigator
3.	Vermicomposting Technology for Socio-Economic development of Rural SC/ST and Weaker Sections in Mysore District, Karnataka.	DBT-GOV New Delhi	13.56	2011-2014 Completed	Principal Investigator
4.	Environmental Impacts of Exploitation of Medicinal Plants in Western Ghats	Institution of Excellence University of Mysore	05.00	2010-2013 Completed	Principal Investigator
5	Bioaugmentation treatment of Endosulfan contaminated soils in Dakshinakannada and Mercara regions of Karnataka using potential isolates of bacteria and fungi	DST-GOV New Delhi	38.29	2013-2017 On going	Principal Investigator
06	Assessment of Organophosphorus and Organochlorine pesticides and their residues in groundwater and soil of Mysuru District, India	University of Mysore	0.75	2018-2019	Principal Investigator
07	Assessing Carrying Capacity in the Eco-Sensitive Zone around Bandipur National Park  In compliance with the directions of honorable NGT in O.A. number 462/2018 and 76/2015 (SZ) dated 17 March 2021	Environmental Management and Policy Research Institute(EM PRI) Department of Forests, Ecology and Environment Government of Karnataka		February 2023	Study team member

### III. VISIT ABROAD:

SI No	YEAR	PURPOSE	COUNTRY	SPONSORED BY
01	2011	Presentation of Research Paper 35 <sup>th</sup> WEDC International Conference on Future of water, Sanitation and hygiene in low income countries.	Loughborough University, Leicestershire UK	Department of Science and Technology (DST), New Delhi
02	2017	Presented paper International Conference on Interdisciplinary Approach in Science and Technology (ICIAST) Pattaya Thailand 19 <sup>th</sup> to 20 <sup>th</sup> May 2017	Thailand	University of Mysore

### IV. Ph.D GUIDANCE :

SL NO	NAME OF PH.D. CANDIDATE	TITLE	YEAR	STATUS	SUBJECT
01	Basavarajappa S. H	Plankton Diversity for conservation of Lake ecosystem of Mysore District	2011	Awarded	Environmental Science
02	Devaraj K	Potentiality of the soil and water conservation structures on the production of Agricultural crops in a specified watershed of Mysore Districts	2015	Awarded	Environmental Science
03	Rakesh Sharma M.S	Studies of Microbial Diversity of polluted soil and their degradability potential for specific toxic pollutants	2016	Awarded	Environmental Science
04	Roopavathi C	Development of Rapid methods for early detection of coliform in drinking water sources of Mysore district, Karnataka	2016	Awarded	Microbiology
05	Prakruthi T. R	Biomonitoring of soil pollution using plant species in and around Mysore	2018	Awarded	Environmental Science
06	Supreeth M	Biotransformation studies of Chlorpyrifos and Endosulfan using Indigenous Microorganisms	2018	Awarded	Microbiology
07	Gireesha J	Studies on Diversity and Depletion of Medicinal Plants in Chamarajnagar District , Karnataka	2019	Awarded	Environmental Science
08	Chandrashekar M A	Isolation and characterization of Rhizosphere Microorganisms from Agricultural Soil of Mysore District for the Degradation of Pesticides	2019	Awarded	Environmental Science
09	Santhosh M Sosle	Identification and Assessment of potential plant species for the		Working	Environmental Science

		removal of heavy metals in soil of urban environment			
10	Yogesh P	Studies on Glyphosate Herbicide pollution in Agriculture soil and effects on soil microorganism and edible plants		Working	Environmental Science
12	Bharath M	Assesment of pesticide residues in soil samples of agricultural fields in Mysore , Karnataka India		Working	Environmental Science
13	Asha Shree N R	Characterization and impacts of Microplastics in fresh water ecosystem		Working	Environmental Science
14	Ramya M V			Working	Environmental Science

### V. Ph.D. THESIS ADJUDICATED

SL NO	TITLE OF THE THESIS	UNIVERSITY	YEAR
01	Studies on the combined Effects of Azospirillum and Arbuscular mycorrhiza on the growth and and Yield of Sesame ( <i>Sesamum indicum</i> L.)	Bharathiar University	2013
02	Changes in Growth and Metabolism of Green gram ( <i>Vigna Radiata</i> (L) wilezek) plants under cobal stress.	Annamalai University	2012
03	Perspectives of Plant Diversity in Tropical Dry Evergreen forest along the Coramandal coast of Tamilnadu and Pondicherry	Pondicherry Central University	2016
04	Characterization and Source of Apportionment of Atmospheric Particulate (Aerosol)in Indo Gangetic Region India	Central University of South Bihar	2021
05	A Comparative Study on the Use of Certain Microbial Strains for the Treatment of Coffee Processing Effluents	Kuvempu University	2020
06	Phonological Behavior and in vitro conservation of <i>Celastrus Paniculataus</i> Wild (Celastrace) and <i>Symplocos cochinchinensis</i> (Lour) S. Moore(Symplocaceae)	University of Calicut	2019

### VI. BOOKS PUBLISHED:

SL NO	TITLE	AUTHORS	PUBLISHER
01	Plankton diversity in Lakes of Mysore,	Basavarajappa S H and Raju N S 2016	Lambret Publisher U K
02	Phytoremediation manual for ecofriendly solution for environmental pollution	Raju N.S. 2021	Environmental Management & Policy Research Institute Bangalore (EMPRI)

## VII. RESOURCE PERSON

SL NO	NAME OF THE INSTITUTE	PLACE
01	State Institute for Urban Development, Administrative Training Institute(ATI)	Mysore
02	Environmental Management and Policy Research Institute (EMPRI)	Bangalore

## VII PROFESSIONAL/ACADEMIC RECOGNITION/RESPONSIBILITIES

SL NO	DESIGNATION	INSTITUTION/BODY	YEAR
01	CHAIRMAN	Department of Studies (DOS) in Environmental Science, University of Mysore	2017to 2019 2020 to 2022
02	CHAIRMAN	Board of Examination (BOE) Post Graduate Environmental Science, University of Mysore,	(2007-08 2012-13, 2015-16, 2017-18, 2019-2020,2020-2021,2022-23
03	CHAIRMAN	Board of Studies (BOS) in Environmental Science, University of Mysore	07.12.2022- 06.12.2025

## VIII. PUBLICATIONS IN NATIONAL/INTERNATIONAL JOURNALS

1. **N.S. Raju**, S.R., Niranjana, S.R., Janardhana, G.R., Prakash, H.S., Shetty, H.S., and Mathur, S **1999**, Improvement of seed quality and field emergence of *Fusarium moniliforme* infected sorghum seeds using biological agents. *Journal of the Science of Food and Agriculture* 79: 206-212. (**Impact Factor – 4.94**).
2. **Raju, N.S. 1997**. Effect of different formulations of bioagents on the seed qualities of Sorghum seeds infected with *Fusarium moniliforme*. *The Journal of Indian Botanical Society* 76:38.( **Impact Factor 0.877**)
3. **Raju, N.S.**, Niranjana, S.R., and Shetty, H.S. 2000. Effect of bioagents on Head Mould Pathogens and Seed Quality of Sorghum. Proceedings National Seminar on *Seed Science and Technology* 196-199
4. **Raju, N.S.**, Niranjana, S.R., and Shetty, H.S. 2003 of *Pseudomonas fluorescence* and *Trichoderma harzianum* on head mould Effect pathogens seed and nutritional qualities of sorghum *Crop Improvement* 30(1): 6-12 (**Impact Factor 1.392**),
5. **Raju, N.S.**, Niranjana, S.R., and Shetty, H.S.2004 Ergo sterol content of grain mould infected sorghum seeds and their relationship with seed and nutritional qualities *Journal of Mycology and Plant Pathology* 34(2):337-339
6. **N.S.Raju**, G.V.Venkataramana, S.T.Girish, V. B. Raghavendra and P.Shivashankar **2007**.Isolation and Evaluation of indigenous soil fungi for decolourization of Textile Dyes. *Journal of Applied Sciences* 7(2) 298-301.( **Impact Factor: 2.679**)

7. Girsh, S.T. **Raju, N.S. 2005**, Variation in the Morphological Characters of *Brachiaria mutica* due to urban sewage water irrigation **Indian Journal of Environment and Eco planning** 10(2):435-439 .( **Impact Factor 0.137**)
8. Girsh, S.T. **Raju, N.S. 2006**, Impact of municipal sewage water on yield parameters of different varieties of groundnut (*Arachis hypogaeae. L*) **Nature, Environment and Pollution Technology** 5(4) 627-629 (**Impact Factor 0.42,**)
9. G.V.Venkataramana, P.N.Sandyarani., **N.S.Raju.**, S.T.Girish and Vinay B Ragavendra **2007**, Physico-chemical characteristics and Impact of Aquatic pollutants on the vital organs of Freshwater fish *Glossogobius giuris*. **Research Journal of Environmental Toxicology** 1(1):1-15.
10. Girsh, S.T. Raju, N.S. 2008 Effect of sewage water on seed germination and vigour index of different varieties of Groundnut (*Arachis hypogaeae. L*). **J. of Environmental Biology**).29(6), 937-939. (**Impact Factor 0.719,**)
11. S.T. Girisha, M.H.Niranjan, Vinay B. Raghavendra and **N.S.Raju** 2009 Biochemical and Mineral Content Variation in K134 variety ground nut treated with different concentration of Sewage water. **International Journal of Applied Environmental Science.** : 1: 1-8.
12. Basavarajappa S.H, **Raju N.S**, Shankar P Hosmani and Niranjana S. R.2009. Studies on the water quality parameters of four fresh water lakes of Mysore, Karnataka. **Indian Journal of Environment & Ecoplanning.** 16 (2-3): 413-418.
13. **N. S. Raju**, C. Roopavathi, K. Ramachandra Kini and S. R. Niranjana, **2009** Bacteriological quality of drinking water sources and point of use in Mysore city, Karnataka, India, **Asian Journal of Water and Environment Pollution.**7(3)111-114. (**Impact Factor 0.709**)
14. S.H. Basavarajappa, **N.S.Raju**,S.P. Hosamani and S.R.Niranjana 2010. Algal Diversity and Physicochemical Parameters in Hadinaru Lake Mysore, Karnataka State India. **The Bioscan** 5(3): 377-382. (**Impact Factor 1.54**)
- 15.
16. **N.S Raju**, C. Roopavathi, M.A.Chandrashekar, M.S. Rakesh Sharma and S.H. Basavarajappa 2010. Microbiological Quality of Drinking Water in Hotels and Restaurants of Mysore City, Karnataka, India. **Global Journal of Environmental Research** 4(3): 199-202.
17. S. H. Basavarajappa, **N.S.Raju**, S.P. Hosamani and S.R.Niranjana, **2011** Freshwater diatoms as indicators of water quality of some important lakes of Mysore, Karnataka, India. **Indian Hydrobiology** 14(1):42-52
18. K. Devaraju, **N.S.Raju**, H.S. Ramesh and M.B. Rajegowda, **2010**, Prediction of Annual and Seasonal Rainfall of Doddamaragowdanahalli Watershed Area in Mysore District Karnataka. **Int. J. Agri. Sci.** 1: 341-345( **Impact Factor -1.90**)

19. Rakesh Sharma M. S., Roopavathi C. and **Raju N. S. 2011**, Effect of some pesticides on fungal biomass of agricultural soil. *Nature Environment and Pollution Technology*. 10(2). (**Impact Factor 0.42**)
20. **Raju N. S** Rakesh Sharma M. S. and. 2012 Isolation of pesticide degrading microorganisms from agricultural soil of Mysore District. *Journal of Mycology and Plant Pathology*. 42(1) 110.
21. Rakesh Sharma M.S and **Raju N.S, 2013**, Frequency and Percentage Occurrence of soil mycoflora in different crop fields at H D Kote of Mysore District, *International Journal of Environmental Sciences*. 3(5) 1569-1576. (**Impact Factor 2.86**)
22. Rakesh Sharma M.S. and **Raju N.S, 2013** Microbial diversity of soil polluted with heavy metals around Mysore, Karnataka, India, *Int J Pharm Bio Sci* 2013 Oct; 4(4): (B) 267 – 273.( **Impact Factor 0.888**)
23. Rakesh Sharma M.S. and **Raju N.S, 2013** Correlation of heavy metal contamination with soil properties of industrial areas Mysore, Karnataka, India by cluster analysis *International Research Journal of Environmental Science* 2(10)22-27.
24. J Gireesha S R Niranjana and **N S Raju , 2013** Ethno botanical study of medicinal plants in BR Hills region of Western Ghats, Karnataka *Asian Journal of Plant Science & Research* 3(5), 36-40 (**Impact Factor . 0.92**)
25. S. H. Basavarajappa, **N.S.Raju**, S.P. Hosamani **2013**.Application of National Sanitation foundation Index and the innovative water quality Index to lakes of Mysore Districts Online *International Interdisciplinary Research Journal* 3(5),123-132.
26. M.A.Chandrashekar, K.Soumya Pai and **N.S.Raju** 2014 Fungal Diversity of Rhizosphere Soils in Different Agricultural fields of Nanjangud Taluk of Mysore District, Karnataka, India *Int.J.Curr.Microbiol.App.Sci* 3(5): 559-566: (**Impact Factor -1.594.**)
27. S. H. Basavarajappa, **N.S.Raju**, S.P. Hosamani 2014 Limnology; A critical Review, **Current World Environment**. 9(3).(Impact Factor **0.654**)
28. K Devaraja, **N S Raju** and L. Nagesh 2014 Impact of Soil and water conservation structures on microbial population in different depths of soil, *The International Journal of Science and Technoledge* 2(8):70-78.
29. S. H. Basavarajappa, **N.S. Raju**, M. Supreeth S.P. Hosamani **2015** Isolation and identification of Heterotrophic Nitrifying Bacteria from Sewage Sludge *Indian Journal of Applied Research* 5(8)228-229.
30. Supreeth, M M A Chandrashekar N Sachin and **N S Raju**, 2016 Effect of Chlorpyrifos on Soil Microbial Diversity and its Biotransformation by *Streptomyces* sp. HP-11 *3Biotech* 6 :147. (**Impact Factor -3.446**).



31. Supreeth and **Raju N S** 2016 Bio-mineralization of Organophosphorous insecticide-Chlorpyrifos and its Hydrolyzed product 3, 5, 6-Trichloro-2-Pyridinol by *Staphylococcus* sp. ES-2 **Current World Environment** 11(2).(Impact Factor **0.654**)
32. Roopavathi, C. Mamatha, S. S. and **Raju, N. S.** 2016 Prevalence of antibiotic resistant *E. Coli* from drinking water samples of Mysore District *Asian Journal of Science and Technology* 7(6) 3055-3058.
33. C Roopavathi, SS Mamatha, **Raju NS** 2016 Assessment of physicochemical and bacteriological drinking water quality of different sources of HD Kote town, Mysore district. **Int- Journal of Engineering Research and Application**, 6(7) 45-51 ).(Impact Factor **1.69**)
34. J Gireesha and **N S Raju 2016**, Phytochemical analysis, antibacterial and antioxidant potential of *Acronychia pedunculata* (L.) *Annals of Phytomedicine* 5(2): 1-5.
35. Chandrashekar M.A. Supreeth M., Soumya Pai K., Sunil C Ramesh, Geetha N. Prashanth, Puttaraju H.R and **Raju. N.S. 2017**, Biodegradation of Organo phosphorous Pesticides, Chloropyrifos by Soil Bacterium *Bacillus megaterium* RC88, **Asian Jr. of Microbiol. Biotech. Env. Sc.** Vol. 19, No. (1): 2017: 127-133. ( **Impact Factor 0.9**)
36. Supreeth M and **Raju N S, 2017**, Biotransformation of Chlorpyrifos and Endosulfan Using Bacteria and Fungi **Applied Microbiology and Biotechnology**, 101(15), 5961-597136 (**Impact Factor -5.56**)
37. Supreeth M and **Raju N S, 2017**, Biotransformation studies on Organochlorine insecticide, endosulfan by indigenous bacterial isolate **Current World Environment** 12(2)366 -376.(**Impact Factor 0.654**)
38. Prakruti T R and **Raju N S** 2017. Bio monitoring of soil pollution using plants on roadsides of Mysuru, **Int J Cur Res Rev**, Vol 9 (13), 25-29.
39. Prakruti T R and **Raju N S** 2017 Evaluation of *Calotropis procera* as a bio monitor of soil pollution in Mysore and Periyapatna, **Int Journal of Applied Environmental Sciences**, Vol. 12, No.4, 643-660.
40. Yogesh Diwakar., Supreeth M and **Raju NS** 2019, Assessment of Antifungal Properties of Leaf Extracts of Eichhornia and Neem as biopesticide on Fungal Pathogens of Cabbage *Journal of Emerging Technologies and Innovative Research (JETIR)*
41. Santhosh M Sosale, Varsha N. K. and **Raju N.S** 2020 Impact of Kumbha Mela celebration on water quality of Sangam river, T Narasipura, Mysore district” *Ind.J.Pure App Biosci* 8(4),482-490.
42. S. H. Basavarajappa, and **N.S. Raju** 2020 Interrelationship between Phytoplankton Groups and Water Chemistry Variables in Two Lakes of Mysore using Multivariable Analysis." . *International Journal of Ecology and Environmental Sciences*"2; (3) 336-343.



43. Adero VO, **Raju NS**, Supreeth M. 2020 Effect of Glyphosate Herbicide on Nitrogen Fixing Bacteria-*Azotobacter* Species. *J Environ Chem Toxicol*;4(2):1-7 (**Impact Factor 0.77**)
44. Sosale SM **Raju NS** 2022 Phytoremediation of Heavy Metals and its Application: A comprehensive study *Discovery* 58(319)807-816.
45. Aashika, Lingaraju H G, Rakesh Sharma M S and **Raju N S** 2022 Geographical Study of Agro tourism in Kerala: Prospects, Challenges and Strategies for Sustainable Development of Agro tourism- A Review, *Strad Research*, 9(7) 396-406.
46. Siddesh V. Sundhu R. **Raju N S.** and Supreeth M. 2023 Removal of Indoor Air Pollutant- Formaldehyde , by Plant-Microbe combined system. *Indian Journal of Environmental Protection*.43(8)726-734( **Impact Factor 0.2**)
47. Girisha J **Raju N S** Photochemical Analysis and Biological activities of some selected ethno Botanical Plants of B R Hills of Karnataka **Advances in Zoology and Botany**
48. **Raju N S.** and Supreeth M Biodegradation of Dichlorvos (Organophosphorus pesticide) by *Proteus mirabilis* DCV-01", *Environmental Monitoring and Assessment (Communicated)*4.9\*
49. Sosale SM **Raju NS** Heavy Metal Phytoremediation by Crop Species at Hebbal Industrial Area, Mysuru, India. *Current World Environment*(Communicated)
50. Bharath M., Ashashree N.R., Yogesh P., Santhosh M. Soslae and **Raju N.S.**2023. Modelling and Optimization of Chlorpyrifos by fungi isolated from Agricultural Soil, Elucidating their Degradation Pathways by LC-MS-Based Metabolomics *Ind J of Pure App Biosci*11(5),54-67

## **IX. PARTICIPATION IN SEMINAR / CONFERENCE:**

1. Department of Applied Botany and Seed Pathology, University of Mysore, Mysore. 7<sup>th</sup> Aug 1999. "1999 - National Symposium on Seeds and Technology"
2. Indian Science Congress University of Pune, Pune during 3-7 January 2000. "Effect of bio pesticides on head mould pathogens, seed and nutritional qualities of sorghum".
3. Symposium on Biotechnology of Plant Protection Center of Advanced Study in Botany, Banaras Hindu University during 25-27 February 2000 "Effect of bio pesticides on head mould pathogens, seed and nutritional qualities of sorghum.
4. National Symposium on Prospects and Potentials of Plant Biotechnology in India in the 21<sup>st</sup> Century & 23<sup>rd</sup> Annual Meeting of PTCA(I) Department of Botany , Jai Narian Vyas University, Jodhpur, Rajasthan, India during 18<sup>th</sup> –21<sup>st</sup> October 2000 "Antagonism of biological agents and efficacy of their formulation to control head mould disease of sorghum".
5. Department of Applied Botany Kuvempu University, Shimoga. 17<sup>th</sup> March 2001. "National Seminar On Resent Trends in Plant diseases and Management".
6. Asian Congress of Mycology and Plant Pathology Department of Applied Botany and Biotechnology University of Mysore, Mysore during 1-4 th October 2002 " Field

- Evaluation of Effect Formulation of Biopesticides on head mould pathogens seed and nutritional qualities of Sorghum.
7. National Seminar of Emerging Treatment Technologies for High and Medium Strength Wastes 5-6<sup>th</sup> January 2003 Sri. Jayachamarajendra College of Engineering, Viswaswariah Technical University, Mysore.
  8. JSS Mahavidyapeetha Sri Jayachamarajendra College of engineering, Mysore. 8-9<sup>th</sup> Jan 2004. "Emerging Treatment Technologies for High and Medium Strength Wastewaters".
  9. Karnataka State Open University, Mansagangotri, Mysore. 13<sup>th</sup> May 2004. Orientation Programme in Self Instructional Material [SIM].
  10. Department of Applied Botany and Biotechnology University of Mysore, Mysore. 4-6<sup>th</sup> Nov 2004. "National Seminar on Emerging Trends in Applied Botany, Seed Science and Technology".
  11. International Seminar on water and health 22 -23rd January 2005 Sri. Jayachamarajendra College of Engineering, Vishveswariah Technical University, Mysore.
  12. UGC-Academic Staff College, Manasagangotri, Mysore. 16<sup>th</sup> July 2005. "Stress Management".
  13. One day workshop on Air and Water Pollution, Organized by Environmental Association Bangalore held at National Institute of Advanced Studies, Indian Institute of Science, Bangalore 9<sup>th</sup> June 2007. Eco sanitation Practices and Developments in India.
  14. DOS in Geology University of Mysore, 4<sup>th</sup> April 2006. "Recent Applications of Remote Sensing and GIS.
  15. Regional Institute of Education. 7<sup>th</sup> – 8<sup>th</sup> June 2006. "Socio-cultural Problems and Environmental Studies".
  16. University of Mysore and Indian Society of Mycology and Plant Pathology. November 28-29, 2007. "National Seminar on Molecular Plant pathology and Biotechnology for Sustainable crop Production".
  17. Department of Environmental Sciences, Bharathiar University, Coimbatore, Tamilnadu. 8-9, March 2007. "Environmental Challenges and Management (ECM-2007)".
  18. Sri. Jayachamarajendra College of Engineering, Vishveswariah Technical University, Mysore 30<sup>th</sup> & 31<sup>st</sup> "March 2007. Intellectual Property and Innovation management in Knowledge era".
  19. University of Mysore and Indian Society of Mycology and Plant Pathology. 17<sup>th</sup> – 18<sup>th</sup> Nov. 2008. Advances in Biotechnology for Plant Protection.
  20. 35<sup>th</sup> WEDC International Conference held at Loughborough University U K from 6-8<sup>th</sup> July 2011 on Future of water, Sanitation and hygiene in low income countries.
  21. 3<sup>rd</sup> Global Conference on Plant pathology for food security held at Udaipur, Rajastan, from 10<sup>th</sup> to 13<sup>th</sup> January 2012.
  22. National Conference on Global Warming and Disaster Management held at SBRR Mahajana's College, Mysore on March 28<sup>th</sup> 2012.
  23. National seminar on applications of science technology to promote agricultural growth and value addition organized by JSS college of Arts, Commerce and Science, University of Mysore on 2-3<sup>rd</sup> Dec 2012.

24. Participated Two days international Lecture Series 29<sup>th</sup> & 30<sup>th</sup> November 2012 held at Institute of Excellence (IOE), University of Mysore, Mysore.
25. Participated one day national seminar on Environmental health hazards held on March 22<sup>nd</sup> 2013 organized by SBRR College, Mysore.
26. Participated UGC sponsored one day state level seminar on future prospectus of Agricultural biotechnology held at Department of Biotechnology, SBRR College Mysore on 30<sup>th</sup> Jan 2013.
27. Delivered special lecture on Bioremediation- Eco-friendly solution for environmental pollution organized by department of Biotechnology under VGST CISE research project held at Maharani Science College for women, Mysore on 16<sup>th</sup> Mar 2013.
28. Delivered Invited Lecture in UGC sponsored national seminar on forest biodiversity conservation organized by department of Botany, Providence Women's College Kozhikode on 10<sup>th</sup> and 11<sup>th</sup> October 2013.
29. Three days workshop on handling of scientific equipment organized by Institute of Excellence (IOE), University of Mysore held from 10-12<sup>th</sup> September 2014.
30. Expert committee of young scientist and group monitoring workshop (EC & GMW ) conducted by SERB, DST Govt of India in GITAM University, Vishakhapatnam on 26-09-2014.
31. Delivered special lecture on Bioremediation at department of Botany, Annamalai University, and Tamil Nadu on 7<sup>th</sup> Feb 2014.
32. NABS National Seminar on Biological Products for Crop, Animal and Human Health-Problems and Prospects organized by Department of Studies in Biotechnology, University of Mysore and National Academy of Biological Science Chennai, Tamil Nadu during 21-22 August **2015**.
33. Two day workshop Faculty Development Programme on Innovative Implementable ideas for industry institution Interaction (i3 for i3) organized by Computer Society of India, Bangalore and Mysore Chapter during March 28 and 29 **2015**.
34. Participated in Inaugural, Plenary talks and Panel Discussion on Genetics Today, Organized by Department of Studies in Genetics and Genomics University of Mysore on 10<sup>th</sup> October **2015**.
35. Participated in Renewable Energy & Energy Conservation Workshop Organized by Karnataka Renewable Energy Development Limited held at Hotel Regalis, on 15<sup>TH</sup> March **2016**.
36. Participated 103<sup>rd</sup> The Indian Science Congress Association held at University of Mysore, Mysore from 3-7<sup>th</sup> Jan **2016**.
37. Chaired Technical Session in Green Buildings Workshop Organized by Karnataka Renewable Energy Development Limited held at Hotel Regalis, on 26<sup>th</sup> May **2016**.
38. Presented paper in International Conference on Science and Technology: Future Changelings & Solutions -2016 during 8-9<sup>th</sup> August **2016** University of Mysore.
39. Presented paper in Indian Social Science Congress organized by Indian Academy of Social Sciences "Bioremediation- an Eco Friendly Solution" Dec 19-23, **2016**.
40. Expert committee of Group Monitoring Workshop (EC & GMW) conducted by SERB, DST Govt of India at KIIT University, Bhubaneshwar on 10-02-2017.
41. Participated in National Symposium on Trends in Microbiology organized by Department of Studies in Microbiology University of Mysore 12<sup>th</sup> May **2017**

42. Presented paper International Conference on Interdisciplinary Approach in Science and Technology (ICIAST) Pattaya Thailand 19<sup>th</sup> to 20<sup>th</sup> May **2017**.
43. Presented paper in International conference on Advances in Disease Management for Human Welfare 21<sup>st</sup> -23<sup>rd</sup> November ,**2017** organized by Gulbarga University ,and Hyderabad Karnataka Region Development Board, Kalburgi, Karnataka India  
Determination of Antibiotic resistance Probiotics bacteria isolated from dairy and pharmaceutical products.
44. Participated in UGC Sponsored 2 Day Workshop for Academic Administrators organized by the UGC-Human Resource Development Centre, University of Mysore , Manasagangotri, Mysore 23<sup>rd</sup> -24<sup>th</sup> March **2018**.

### **X MEMBER BOARD OF APPOINTMENT (BOA)**

SL NO	SUBJECT	UNIVERSITY/ INSTITUTE
01	Environmental Science	Bangalore University
02	Environmental Science	Central University of Kerala
03	Environmental Science	Kuvempu University
04	Environmental Science	Odisha Public Service Commission (OPSC) Cuttack Odisha
05	Environmental Science	Department of Collegiate Education Gov of Karnataka

### **XI MEMBER BOARD OF EXAMINATION (BOE) PG**

SL NO	SUBJECT	UNIVERSITY/ INSTITUTE	YEAR
01	Environmental Science	University of Mysore	Since 2007
02	Environmental Science	Kuvempu University	2017-18, 2019-20, 22-23
03	Wild Life and Management	Kuvempu University	2017-18
04	Environmental Science	Gulbarga University	2017-18, 2018-19, 2019-20
05	PG Diploma in Health and Safety Environment and Diploma in Health safety Environment,	University of Mysore	

### **XII MEMBER BOARD OF STUDIES (BOS)**

SL NO	SUBJECT	UNIVERSITY	YEAR
01	Environmental Science	University of Mysore,	
02	Environmental Studies	Mahajana First grade College, Mysore	
03	Geographical Information System	University of Mysore	

04	Environmental Studies	Govt College for Arts Hassan	
05	Microbiology	University of Mysore	
06	Environmental Science	Central University of Kerala Kasaragod	
07	Environmental Science	JSS Arts Commerce and Science (Autonomous) College Mysore	
08	Wild Life Management	Kuvempu University	
09	Environmental Science	Kuvempu University	
10	Environmental Science	Bangalore City University	
11	Biosciences	Mangalore University	
12	Environmental Science	Mangalore University	
13	Environmental Sciences	Yuvaraja's College University of Mysore	

### **XIII. OTHER COMMITTEES IN THE UNIVERSITY**

<b>SLNO</b>	<b>ACADEMIC BODIES</b>	<b>UNIVERSITY/INSTITUTION</b>
1	BOAE Environmental Sciences	University of Mysore
2	Faculty of Science and Technology	University of Mysore
3	Sponsorship subcommittee 103 <sup>rd</sup> Indian Science Congress	University of Mysore
4	Mysore Dasara Exhibition Sub-committee	University of Mysore
5	. Distance Education	University of Mysore
6	NAAC – SSR sub Committee member	University of Mysore

### **IX OTHER COMMITTEES OUT SIDE THE UNIVERSITY**

<b>SLNO</b>	<b>ACADEMIC BODIES</b>	<b>UNIVERSITY/INSTITUTION</b>
1	Maharashtra State Eligibility Test (SET) conducted by Pune	, Pune
2	Editorial Board of Research Journal of Biotechnology	
3	Environmental experts in India, MoEF, Govt of India	<b>New Delhi</b>
4	Member - Study team of Expert for Carrying Capacity of Eco sensitive zone of Bandipur National Park,	Environmental Management and Policy Research Institute (EMPRI), Govt Of Karnataka
5	Member of subject expert to prepare the syllabus for Environmental Science course under NEP-2020.	Govt of Karnataka
6	National Educational Policy2020 - State Curriculum	Govt of Karnataka

	Committee –Environmental Science	
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### **XV.. LIFE MEMBERSHIP IN PROFESSIONAL SOCIETIES/BODIES**

<b>SL NO</b>	<b>NAME OF THE SOCIETY</b>	<b>PLACE</b>
01	National Environmental Science Academy (NESA)	<b>New Delhi</b>
02	Indian Science Congress Association (ISCA)	<b>Kolkata</b>
03	International Society of Biotechnology (ISB)	<b>Indore</b>
04	Society of Mycology and Plant pathology	<b>Udiapur</b>

### **XVI. SEMINAR/CONFERENCE / LECTURE SERIES ORGANIZED**

<b>SL NO</b>	<b>TITLLE OF THE EVENT</b>	<b>PLACE</b>	<b>YEAR</b>
01	National Seminar on Molecular Plant pathology and Biotechnology for Sustainable Crop Production	University of Mysore	28-29, 2007
02	30th Annual conference & Symposium on Advances in Biotechnology for Plant Protection	University of Mysore	17-19, 2008
03	National Conference on Current Trends in Environmental Science and Sustainable Development	University of Mysore	February 27-28, 2009
04	Special Lecture Series in Environmental Science	University of Mysore	16 <sup>th</sup> , 19 <sup>th</sup> and 19 <sup>th</sup> 2018
05	Webinar on thinking long term in Ecology: “Madumali forest Dynamics plot	University of Mysore	4 <sup>th</sup> 18 <sup>th</sup> November 2020
06	SARS COV 2 Infection and COVID -19 Could Environmental Pollution and Diet Impacts?	University of Mysore	27 <sup>th</sup> November 2020
07	National webinar on “Climate Change –Ecological Restoration and Socio-Ecological Sustainability	University of Mysore	2 <sup>nd</sup> July 2021
08	National Conference on Environmental Health and Sustainable Development	University of Mysore	5 <sup>th</sup> June 2023
09			