



Dr.T. S. Harsha

ADDRESS:

Assistant Professor
Department of Environmental Science
Karnataka State Open University
Manasagangotri, MYSORE – 570 006
KARNATAKA STATE, INDIA
Tel: ++ 91-09449178802 (Mobile)
+91-821-2500071(Off)



email: raoamer@gmail.com

tsharsha.ksou@ka.gov.in, envrao@rediffmail.com

Sl. No	Recognition/Organisation	ID Number/Link
1	Orcid	0000-0003-0538-3920
2	Scopus	6506491804
3	Vidwan	251798
4	Google Scholar	6saZhsgAAAAJ
5	Web of Science	ABG-5418-2021
6	https://in.linkedin.com/in/	dr-t-s-harsha-rao-89284650

Date of Birth:22-07-1975

- **Fellow of Academy for Environmental and Life Sciences (FAELS)**
- **Fellow of Bose Science Society (FBSS)**

EDUCATION:

Ph. D.	2008	University of Mysore	Environmental Science
Diploma	2006	CEE, Ahmedabad	Environmental Education
M. Sc.	1998	Kuvempu University	Environmental Sciences
B. Sc.	1996	Kuvempu University	Chemistry, Botany, Zoology

TEACHING EXPERIENCE: 14 years

Title of the Thesis: “Study of some Environmental and Microbial parameters in the river Cauvery and its important tributaries like Shimsha, Arkavathy, Suvarnavathy and Kapila rivers”

Passed Karnataka State Eligibility Test (KSET) for lectureship/Assistant Professor 2013



Dr. T S Harsha Rao

Assistant Professor of Environmental Science
Verified email at ka.gov.in - [Homepage](#)

Aquatic Microbial Ecology Planktonology
Pollution Biology



CITATION

ACADEMIC AWARDS, HONORS AND RECOGNITION:

- Junior Research Fellowship* award for two and half years (Completed on June 2002) sanctioned by Department of Science Technology, New Delhi.
- CSIR-SRF fellowship* award for three years (Completed on March 2006).
- "Junior Scientist of the year 2003"* by the National Environmental Science Academy, (NESA), New Delhi.
- Awarded **"Best Paper"** at National Seminar on Algal Ecology held on 3 and 4th November 2012 at Chennai and given a cash award in recognition of the same.
- Indira Priyadarshini Best Scientist Award for 2015-16 by the Bose Science Society, Pudukottai, Tamil Nadu.*
- "Adarsh Vidya Saraswati Rashtriya Puraskar"* award by The Global Management Council, Glacier Journal Research Foundation, Ahmadabad, Gujarat on 10th May 2016.
- Name is cited in Asia/Pacific - **"Who's Who"** Rifacimento International, 15th Volume P 422.
- "Outstanding Scientist Award"* by International Institute Technical Teachers, Dehradun, on 22nd May, 2021.
- "Dr. Sarvepalli Radhakrishnan Best Faculty Award"* by Center for Professional Advancement Continuous Education, Vijayawada, Andhra Pradesh. On 5th, September 2021.
- "INDIA Prime Top 100 Professors award 2021"* by FoxClues India Prime Awards, Chandigarh, Punjab 18th September 2021.
- "Eminent Scientist of the Year 2021"* by the National Environmental Science Academy, (NESA), New Delhi on 13th December 2021.

EMPLOYMENT HISTORY:

1. **Assistant Professor:** Department of Environmental Science, Karnataka State Open University, Manasagangotri, Mysore, Karnataka State, India: **October 2006-till** date .

- Supervise 60 to 80-students programme; Institute devoted to Open Distance Learning in M. Sc., in Environmental Science, Certificate Programmes in Environmental Technology, Management and Solid Waste Management with Commonwealth of Learning, Vancouver, Canada collaboration: education/outreach
- Teach graduate level courses.
- Teach Post Graduate level courses

Additional Responsibility: a) Project Director, National Mission on Education through Information and Communication Technology (NMEICT).

b) **Co-Ordinator,** Virtual Laboratory, Nodal Center, KSOU, Mysore.

2. **Special Officer and Nodal Officer for UGC's Student Grievance Redressal Portal:** Examination Branch, Karnataka State Open University, Mysore from 16 -07-2019 to 21-01-2020

3. **Senior Research Fellow:** Sanctioned by Council of Scientific and Industrial Research, New Delhi, Working Place: Aquatic Microbial Ecology Research Laboratory, DoS in Zoology, University of Mysore, Manasagangotri, Mysore, Karnataka State, India: 2003 – March, 2006.

- Carried out research activity in the project entitled "*Spatial study of the Arkavathy and Suvarnavathy Lotic Ecosystems in Karnataka State*". Attempted to identify role of heterotrophic bacterial community in two different aquatic ecosystems and the factors controlling the important biopurification activity in lotic aquatic ecosystem and also provide technical support for the research program; manage external contracts; and conduct research on other microbial communities (Phytoplankton & Zooplankton).

4. **Junior Research Fellow:** Sanctioned by Department of Science & Technology, New Delhi. Working Place: Aquatic Microbial Ecology Research Laboratory, DoS in Zoology, University of Mysore, Manasagangotri, Mysore, Karnataka State, India: September 1999 – June, 2002.

- Carried out research activity to understand the role of Heterotrophic bacteria, Phytoplankton and Zooplankton (microbial assemblages) in the functioning of "*microbial loop*" in the freshwater Aquatic Ecosystems.
- Carried out Water quality analysis for two years to know the physico-chemical nature of the aquatic environment all of which probably influences the growth and physiology of microbial populations.

- C. **Environmental Officer: Bangalore Trade and Finance Corporation Distillery Unit**, Hriyur, Chitradurga District, Karnataka State, India: August 1998–March, 1999.
- Supervision of Primary (Anaerobic Digestion & Bio-methanization) and Secondary (Aerobic treatment by aerator and clarifier) Effluent Treatment Plant.
 - Effluent analysis (before and after treatment) for chemical parameters such as Total Volatile Acids, Chemical Oxygen Demand and maintain the efficiency in treatment process.

COURSES TAUGHT:

Environmental Sciences: Environmental Technology, Environmental Management, Solid Waste Management, Environmental Education and Environmental Studies

M. Sc., in Environmental Science

Microbiology: Microbial Ecology, Soil Microbiology, Environmental & Industrial Microbiology

Biotechnology: Industrial & Microbial Biotechnology.

AREA OF SPECIALIZATION:

- Aquatic Microbial Ecology
- Limnology
- Environmental pollution
- Environmental Law
- Conservation and Management
- Environmental Education
- Solid Waste Disposal and Management
- Wastewater Pollution and Solution
- Integrated Water Resource Management

RESEARCH PROJECTS:

- “Comparative analytical study of various types of yagna and its effect on environment with special reference to antimicrobial activity of airborne Microbes” (Co-PI), RGUHS sanctioned.
- Quality Enhancement in Distance Learning in Karnataka State Open University sponsored by Distance Education Council, New Delhi.
- Development of India Fact file on Open Distance Learning system (State wise) sponsored by Distance Education Council, New Delhi
- Spatial study of the Arkavathy and Suvarnavathy Lotic Ecosystems in Karnataka State (CSIR -Sponsored).

- Microbial Ecology of the River Cauvery and its Tributaries in Karnataka State (DST- GOI Sponsored)
- Limnological Study of Gopaldaswamy Pond Chitradurga, Karnataka State (During PG)
- Extension Work - Use of pesticides and fertilizers in Shankaraghatta Village - a preliminary survey (During PG).

PUBLICATIONS (On Open Distance Learning)

1. S.N. Vikram Raj Urs, **T S Harsha** and Vijay Raju B P. (2013) Ethical issues in Open and Distance Education with Special reference to Expectations and Reality *Turkish Online Journal of Distance Education*(TOJDE) 14 (4) 46-53.
ISSN 1302-6488
2. C. Anitha and **T.S. Harsha** (2013) Ethical Perspectives in Open and Distance Education System., *Turkish Online Journal of Distance Education*(TOJDE) 14(1)193- 201.
ISSN 1302-6488
3. **T.S. Harsha**, (2016) Learning Science through Distance Education- A challenge at Karnataka State Open University. The Online Journal of Distance Education and e-Learning, Volume 5, Issue 1, 62-65.
ISSN 2147-6454.

PUBLICATIONS (Environmental Science/Microbiology):

1. **Harsha. T. S.** and Malammanavar (2004) Assessment of phytoplankton density in relation to environmental variables in Gopaldaswamy pond at Chitradurga, Karnataka. *Journal of Environmental Biology.*, 25(1):113-116.
ISSN/ISBN No. 02548704 IF: 0 . 48
2. **T. S. Harsha**, M Mahadevaswamy and Sadanand M Yamakanamardi (2006) Temporal variation in the abundance of heterotrophic bacteria in the river Cauvery and its down stream Tributaries. *Indian Journal of Microbiology.*, 46(3): 249-257.
ISSN/ISBN No. 0046-8991 IF: 0.93
3. **T. S. Harsha**, Sadanand. M. Yamakanamardi* and M. Mahadevaswamy (2006) Physico-chemical (Environmental) study of Lotic Ecosystems of main river Cauvery and its four down stream tributaries in Karnataka State, India *Indian Hydrobiology* ., 9(2): 269-294
ISSN No. 0971-6548

4. M. Mahadevaswamy, Sadanand M. Yamakanamardi and **T. S. Harsha**. (2006) Microbial Ecology of main river Cauvery and its four important upstream tributaries in Mysore district of Karnataka state, India, *Indian Hydrobiology*, 9(2):247-268.

ISSN No. 0971-6548

5. **T. S. Harsha**, Sadanand. M. Yamakanamardi and M. Mahadevaswamy (2007) Heterotrophic free living and particle bound bacterial cell size in the river Cauvery and its downstream tributaries, *Journal of Biosciences*, 32(2):363-374 (<https://doi.org/10.1007/s12038-007-0035-y>)

ISSN/ISBN No. 0250-5991 IF: 4.08

6. M. Mahadevaswamy, Sadanand M. Yamakanamardi and **T. S. Harsha**. (2008) Bacterial (free living and particle bound) cell –size in the surface waters of river Cauvery and its upstream tributaries, in Karnataka state, India, *International Journal of Applied Ecology and Environmental Research*, 6(1):29-47.

ISSN/ISBN No. 1589-1623 IF: 0.54

7. **T.S. Harsha**, S.M. Yamakanamardi and M. Mahadevaswamy (2009) Temporal variations in Specific Growth Rate (SGR) of heterotrophic bacterioplankton in river Cauvery and its four important tributaries in Karnataka, State, India, *Environmental Monitoring and Assessment*, 154:169-185.

ISSN/ISBN No. 0167-6369 IF: 1.43

8. Wadie Ahmed Mokbel, Sadanand M. Yamakanamardi and **T.S. Harsha** (2008) Temporal variation in the Specific Growth Rate of heterotrophic bacteria of the ground water from three different Agriculture, Domestic and Industrial areas, Mysore district, Karnataka state, India. *Indian Hydrobiology*, 11(1):51-63.

ISSN No. 0971-6548

9. C Nagalabika, S Mahadevamurthy, **T S Harsha** and Keshava Nireshwalia (2010) Enumeration of *Escherichia coli* in groundwaters of Mysore city, Karnataka, India. *Indian Hydrobiology*, 13(1):75-79.

ISSN No. 0971-6548

10. Ipsita RH, Dayani C, **Harsha T S** and Sudha S. Assessment of zooplanktonic frequency in relation to physico-chemical parameters in Karanjilake, Mysore. *JSSCWM QUEST Journal*, 1(2),77-85.

ISSN 2321-0052

11. C Nagalabika, S Mahadevamurthy, **T S Harsha** and N. Lakshmidivi (2012). Studies on Groundwaters of Mysore City with special Reference to Fluoride Concentration, *Nature Environment and Pollution Technology.*, 11(4),711-716.
ISSN 0972-6268
12. **T. S. Harsha**, S. M. Yamakanamardi (2013). Species abundance, composition and distribution of phyto and zooplankton in river Cauvery and its four important tributaries in Karnataka State, India, *The Journal of Ecology.*, Photon107, 200-213
ISJN 6853-3275
13. C Nagalabika, S Mahadevamurthy, **T S Harsha** ,D Istalinga Murthy and Pratibha Rajashekar (2013). Physico-chemical Parameters and Correlation Coefficients of Groundwater of Mysore City, Karnataka. *JSSCWM QUEST Journal*, 1(1), 20-28
ISSN 2321-0052
14. C Nagalabika, S Mahadevamurthy, **T S Harsha** , (2014) Seasonal Variations in Physical-Chemical and Bacteriological parameters of Groundwater in East-West Zones of Mysore City, *The Journal of Water Research.*, Photon 136, 272-277
ISJN 3294-9473
15. C Nagalabika, S Mahadevamurthy, **T S Harsha** , (2014) Bacterial Assessment of Groundwater: A case study of Mysore City, *JSSCWM QUEST Journal*, 2(1), 76-79
ISSN 2321-0052
16. Priyadarshini. S., **Harsha T.S.**, and Mythrey R.C. (2017) Comparative analysis of Bacterial and Fungal counts in 'vastu homa,' a traditional air purification process. *Indian Journal of Research .*, PARIPEX, 6(2), 44-45.
ISSN 2250-1991 IF: 5.215
17. Priyadarshini. S., **Harsha T.S.**, and Mythrey R.C. (2019) Sri Narasimha Homa –a Comparative study with special reference to seasons. *GJRA - Global Journal for Research Analysis.*, VOLUME-8, ISSUE-4,
ISSN No 2277 – 8160 IF3.62 (SJIF)
18. Prathima R, **Harsha TS** , and Nagalambika Prasad. (2021) . Multifunctional aspect of Mycosporine like Amino Acids: a review. *International Journal of Innovations in Biological and Chemical Sciences*, Volume 14, 2021, 1-9.
ISSN 2047-9093 IF 3.2
19. Kushala, M., **Harsha T.S. and Mahadeveswamy. M. (2022)**. Vegetable wastes as Economic and Nutritive Media for the Culture of Zooplankton, *Moina Brachiata. Science , Technology and Development Journal*, Vol XI, Issue II, 54-58. (7th Feb 2022). (DOI. 21.18001.STD.2022.V11I01.22.3527.6).
ISSN 0950-0707

ARTICLES PUBLISHED IN LOCAL LANGUAGES (KANNADA) ABOUT ENVIRONMENT IN NEWS PAPER/UNIVERSITY PUBLICATION

1. Haruva Nari (Flying fox) *Pranishastra Vishwakosha*. Kuvempu Kannada Adyana Samsathe, University of Mysore, 2006, 1144.
2. Heggana (Bandi coot) *Pranishastra Vishwakosha*. Kuvempu Kannada Adyana Samsathe, University of Mysore, 2006, 1158.
3. "Shanakagalu" *Kannada Vishwakosha*. Kuvempu Kannada Adyana Samsathe, University of Mysore, 2004, 533-534(14).
4. Barathada silicon vyaliya vayu malinyakke Remote Sensingna balake. *Vijnana Karnataka*, Prasaranga, University of Mysore. 2003, 31(1&4), 8.
5. Prakruthi Harisida Hosa Varsha, *Chandravalli Patrike*, Chitradurga. 1999, 2.
6. Ozone padaradalli randra...! uttara druvakku haradida appathu. *Chandravalli Patrike*, Chitradurga. 1999, 2.
7. Manavana tulithakke silukida malegadugalu. *Chandravalli Patrike*, Chitradurga. 1998, 2.
8. "Microbe" Yestu upayoga?. *Chandravalli Patrike*, Chitradurga. 1998, 2.
9. Parisara Samrakashane Manavaninda Sadhyave?. *Chandravalli Patrike*, Chitradurga. 1998, 2(b).
10. Parisara Samrakashane Manavaninda Sadhyave?. *Priya Patrike*, Chitradurga. 1998, 2(a).
11. Chitradurgada Ithihasica Gopala swamy Honda Mundina peeligege ulidite?. *Jana Vahini*, Chitradurga. 1998, 1.

ARTICLES PUBLISHED IN ENVIROWORLD MAGAZINE (ENGLISH)

1. **'Beat plastic pollution: an alarming call for Action'** ENVIROWORLD Magazine Volume II/ Issue -1/June 2018: RNI-KARENG/2017/75103
 2. **OSHA in India –“Staying Safe on the Job”**. ENVIROWORLD Magazine Volume II/ Issue -1/June 2018: RNI-KARENG/2017/75103
 3. **Municipal Solid Waste..... Problems and Solutions?** . ENVIROWORLD Magazine Volume II/ Issue -2/July 2018: RNI-KARENG/2017/75103: Page 30-31.
 4. **Risk at Work - Personal protective equipment (PPE)**. ENVIROWORLD Magazine Volume II/ Issue -2/July 2018: RNI-KARENG/2017/75103: Page 12.
 5. **Biomedical Waste Management: Policy and Practices**. ENVIROWORLD Magazine Volume II/ Issue -3/August 2018: RNI-KARENG/2017/75103: Page 30-31.
 6. **Risk at Work - Personal protective equipment (PPE)(Continued)**. ENVIROWORLD Magazine Volume II/ Issue -3/July 2018: RNI-KARENG/2017/75103: Page 12.
 7. **“E-Waste” -Problem, Hazards and Solutions**. ENVIROWORLD Magazine Volume II/ Issue -4/August 2018: RNI-KARENG/2017/75103: Page 30-31.
 8. **Hazardous Waste Management**. ENVIROWORLD Magazine Volume II/ Issue -5/August 2018: RNI-KARENG/2017/75103: Page 26-29.
 9. **Liquid Waste Management**. ENVIROWORLD Magazine Volume II/ Issue -6/October 2018: RNI-KARENG/2017/75103: Page 37-39.
- © **A book on Student Grievance in Karnataka State Open University (in Kannada), 2007 published by KSOU, Mysore.**

SCIENTIFIC PRESENTATIONS AND ABSTRASCTS PUBLISHED:

- 1 2000 **Harsha. T. S.** "Seasonal Study of Environmental and Microbial variables in the surface waters of Cauvery, Shimsha, Arkavathy, Suvarnavathy and Kapila rivers in Karnataka, India in National Symposium on Chronobiology held at Gulbarga University, Gulbarga, from October 13 to 14,".
- 2 2001 **Harsha. T. S.** "Determination of the water quality of the river Cauvery and its tributaries in Karnataka State, based on Specific Growth Rate of Bacterioplankton" in 42nd annual Conference of Association of Microbiologists of India (AMI), held at Gulbarga University, Gulbarga from 9th to 11th November.
- 3 2004 **Harsha. T. S.** "Effect of some Environmental variables on Abundance of Heterotrophic Bacteria in the surface waters of River Cauvery and its Tributaries in Karnataka State" in *XVII Annual International Conference on Recent Trends in Environmental Sciences, organized by National Environmental Science Academy, New Delhi*, from 23rd to 26th April.
- 4 2012., **Harsha T S** "Abundance, species composition, and distribution of Phyto and Zooplankton in river Cauvery and its four important tributaries in Karnataka State, India" in National Seminar on Algal Ecology on 3rd and 4th November 2012 held at Chennai.

ORIENTATION/REFRESHER/SHORT-TERM PROGRAMME:

- ⊙ Participated in 102nd UGC Sponsored Orientation Programme organized by UGC Academic Staff College, University of Mysore from 28.12.2013 to 24.01.2014 and obtained "A" grade.
- ⊙ Participated in 12th UGC Sponsored Refresher Course in Life Sciences organized by UGC-HRDC, University of Mysore from 03-11-2016 to 23.11.2016 and obtained "A" grade.
- ⊙ Participated in UGC Sponsored 1-Week Workshop on ICT organized by UGC-HRDC, University of Mysore from 07-03-2017 to 13.03.2017.
- ⊙ Participated in 14th UGC Sponsored Refresher Course in Life Sciences (Online) organized by UGC-HRDC, University of Mysore from 29-09-2021 to 12.10.2021 and obtained "A" grade.

KEYNOTE AND SPECIAL LECTURES:

- ⊙ Delivered keynote address on ***“Microbial Loop: Concept and its applications in Aquatic Ecosystems”*** at 5th National Conference on Natural Sciences held at Holy Cross College, Trichirapalli, Tamil Nadu in collaboration with Bose Science Society, Pudukottai, Tamil Nadu on 19th January 2016.
- ⊙ Delivered key note address on ***“Why Waste Water - a review.”*** at One day National Seminar on **Current Issues and Challenges of Sustainable Water Resources Management (CICSWRM-2017)** on 22nd March 2017 organized by Dept. of Biotechnology, Mother Teresa Women’s University, Kodaikanal-02.
- ⊙ Delivered key note address on ***“Environmental Clearance Procedure for Industrial Projects”*** at One day Work Shop on Environmental Impact Assessment on 10th April, 2017 organized by Dept. of Civil Engineering, NMAM, Institute of Technology, Nitte.
- ⊙ **Delivered Special lecture on *“Challenges Forced by Development VS Environment”*** at One Day Workshop for Law Students on Environmental Protection and Legal Enforcement Challenges" on 24-10-2019 Organised by Akhil Bharatiya Vidyarthi Parishad, Mysuru and District Legal Services Authority Bar Association (R)Mysuru.
- ⊙ Delivered Special lecture on ***“Environmental Science: Concept and Importance in the Current Scenario”*** at Student Induction Program” organized by University College of Engineering Technology (UCET), Vinoba Bhave University, Hazaribag, Jharkand on 20th January 2021 (Online).
- ⊙ Delivered Special lecture on ***“Effect of Emissions on Environment”*** at TEQIP-III Sponsored 5-days Online Course on Advancement in the use of Alternative fuels in IC Engine organized by University College of Engineering Technology (UCET), Vinoba Bhave University, Hazaribag, Jharkand from 01st to 5th February 2021.
- ⊙ Delivered Special lecture on ***“E-waste Management in India”*** at TEQIP-III Sponsored Two-week Virtual Short term course on ***“Research Trends in Electronics and Communication Engineering -2021”*** organized by Department of Electronics and Communication Engineering, University College of Engineering Technology (UCET), Vinoba Bhave University, Hazaribag, Jharkand from 8th to 19th February 2021.

- ⊙ Delivered a talk on *“Reimagine, Recreate and Restoration of Ecosystem”* in “Higher Education Summit-2021(Online), Organized by International Institute of Technical Teachers (IITT), Dehradun, India on 25th May 2021.
- ⊙ Delivered Special talk on *“Reimagine, Recreate and Restoration of Ecosystem”* on World Environmental Day Celebration organized by Environment and Conservation Cell and Dept. of Biotechnology, Mother Teresa Women's University, Kodaikanal-02
- ⊙ Delivered Special Lecture on *“Effect of Emissions on Environment”* at AICTE Training and Learning Academy Online Elementary FDP on Alternative fuels in IC Engine organized by University College of Engineering Technology (UCET), Vinoba Bhave University, Hazaribag, Jharkand from 2nd 6th August, 2021.
- ⊙ Delivered a Invited Talk on *“Microbial Loop: Concept and its applications in Aquatic Ecosystems”*

WORKSHOPS/CONFERENCES ATTENDED:

- ⊙ Two days Seminar on *“Biodiversity and Conservation”* on 26th and 27th March 1997, Sahyadri College, Shimoga.
- ⊙ Two days National symposium on *“Chronobiology”* on 13 and 14 October 2000, organized by Department of Zoology, Gulbarga University, Gulbarga.
- ⊙ One day Workshop on *“Livestock and Environment”* on 30th March 2001, organized by Department of Environmental Science, Bangalore University, Bangalore,
- ⊙ National Workshop on *“Methods in Limnology”* on 16th to 22nd November 2003, at RKM, Vivekananda College, Chennai.
- ⊙ National Workshop on *“Zooplankton”* from 5th to 10th July 2004, at the New College, Chennai.
- ⊙ One day workshop on *“Personality Development at the International Leadership Institute of M/s. Infosys, Mysore”* on 15th February 2006, organized by the UGC- Academic Staff College, University of Mysore, Manasagangotri, Mysore.
- ⊙ One day workshop on *“Recent Applications of Remote Sensing & GIS”* on 4th April 2006, at Department of Studies in Geology, University of Mysore, Manasagangotri, Mysore.

- ⊙ National Conference on “*Quality Assurance in ODL Institutions*” on 3rd to 5th March 2007 at Karnataka State Open University, Mysore
- ⊙ National Workshop on “*Research & Training in Distance Education*” from 19th to 21st August 2007, at BRAOU, Hyderabad organized by Staff Training & Research in Distance Education (STRIDE), IGNOU, New Delhi.
- ⊙ One day Workshop on “*Production of Audio Lesson*” on 15th July 2008, organized by Karnataka State Open University, Mysore
- ⊙ Six Days Workshop on “*Basic Audio-Video Production*” from 3rd November to 8th November, 2008, organized by Karnataka State Open University, Mysore in collaboration with Electronic Media Production Centre (EMPC), IGNOU, New Delhi.
- ⊙ Seminar-cum -workshop on advancing ESD in Teacher Education from 19th to 21st March, 2009, at RV Teachers College, Bangalore organized by Centre for Environmental Education (CEE) Bangalore in collaboration with teacher training colleges in Bangalore and with support from NCTE, Bangalore.
- ⊙ One day Workshop on “*Water and Waste Treatment*” on 9th May 2009, organized by Association of Consulting Civil Engineers (India), Mysore
- ⊙ Orientation Programme on “*Distance Education –New Trends*” on 21 and 22 May, 2009, at Karnataka State Open University, Mysore organized by Distance Education Council, New Delhi and KSOU, Mysore.
- ⊙ Three days Training on “*Audio-Visual Learning Aid Development*” held from 12th to 14th June 2010, at Electronic Multi Media Research Centre (EMMRC) , Mysore organized by Karnataka State Open University, Mysore
- ⊙ One day National Conference on “*Information Literacy and Higher Education in Digital Environment*” held on 30th March 2011, organized by the Dept. of Studies in Library and Information Science, Karnataka State Open University, Mysore.

- ⊙ Two days workshop on Development of Self Learning Material held on 2nd and 3rd June 2011, Organized by Karnataka State Open University, Mysore.
- ⊙ Three Days International Conference on “*Open Distance Learning in Global environment: issues and challenges*” from September 21-23, 2011, Organized by Karnataka State Open University, Mysore.
- ⊙ Two days’ workshop on Development of Self Learning Material held on 7th and 8th October 2013, Organized by Karnataka State Open University, Mysore.
- ⊙ One day workshop on “*Technology in Higher Education*” organized by University of Mysore in association with Karnataka Jnana Aayoga, Govt. of Karnataka on 7th Feb, 2015 at Sente Bhavan, University of Mysore, Mysore.
- ⊙ Two days „Regional Knowledge Conclave in South India” for Colleges and Universities, Mysuru, held on September 6 and 7th, 2018, organized by Centre for Science and Environment (CSE), New Delhi.
- ⊙ One day workshop on „Choice Based Credit System” held on on 19th July 2019, Organized by Karnataka State Open University, Mysore.

RESPONSIBILITIES CARRIED OUT TILL DATE:

- ⊙ Served as Chairman, Dept of Environmental Science, KSOU from Feb 17th, 2015- Feb 16th 2017.
- ⊙ Worked as Co-ordinator for Faculty Development Programme for UG teachers in the subjects Biochemistry, Biotechnology and Microbiology in KSOU funded by VGST, DST, GOK, Bangalore
- ⊙ Written Self Learning Material for Environmental Studies/Sciences, Environmental Microbiology, Environmental Biotechnology and Nutrition and Health Education.
- ⊙ Worked as Chief Superintendent for PG/UG/Diploma/Certificate Examinations of Karnataka State Open University.
- ⊙ Worked as Coordinator for Evaluation of PG/UG/Diploma/Certificate Examinations of Karnataka State Open University.

- ⊙ Delivered many special lectures in universities, colleges and schools on Environmental issues.
- ⊙ Served as Joint-secretary, Association of Microbiologist of India-Mysore Chapter, CFTRI for the year 2013-14
- ⊙ Served as secretary, Association of Microbiologist of India-Mysore Chapter, CFTRI for the year 2014-16.
- ⊙ Served as Special Officer in the Examination Branch and Nodal Officer for UGC- Students Grievance Portal from 16 -07-2019 to 21-01-2020.

ADVISORY BOARD MEMBER:

1. BIOINFO -Environment and Pollution Journal
2. BIOINFO- Aquatic Ecosystem
3. Glacier Journal Research Foundation, Ahmadabad, Gujarat

M.SC., DISSERTATION EVALUATOR:

1. Department of Environmental Sciences, University of Agricultural Sciences, Bangalore

PH.D THESIS ADJUDICATOR:

1. Madras University, Chennai.
2. Mother Theresa University, Kodaikanal.

VISITING FELLOW:

- JSS ACADEMY OF HIGHER EDUCATION AND RESEARCH, SRI SHIVARATHREESHWARA NAGARA, MYSORE
- PBMMPGC, KRS ROAD, MYSORE

MEMBERSHIP (IN SCIENTIFIC ORGANIZATION):

SECRETARY: ASSOCIATION OF MICROBIOLOGISTS OF INDIA-MYSORE CHAPTER FOR THE YEAR 2014-2016

- 1}. Life Member, National Environmental Sciences Academy, New Delhi
- 2}. Life Member, Indian Science Congress Association, Kolkata.
- 3}. Life Member, Indian Association for Aquatic Biologists, Hyderabad, AP
- 4}. Life Member, Association of Microbiologists of India, New Delhi
- 5}. Associate Member, Krishnamurthy Institute of Algology, Chennai, Tamil Nadu

ACADEMIC MEMBERSHIP:

- 1}. Chairman, Board of Studies in Environmental Sciences (PG and UG), KSOU, Mysore
- 2}. Chairman, Board of Examination in Environmental Sciences (UG), KSOU, Mysore
- 3}. Member, Doctoral Committee in Environmental Sciences, JSS University, Mysore
- 4}. External Member (Expert in ODL), CIQA, JSS University, Mysore
- 5}. Member, Board of Examination in Environmental Sciences, Yuvarajal's College, Mysore
- 6}. Expert Member, Dept. of Biotechnology, Mother Teresa Women's University, Kodaikanal
- 7}. Member, Board of Studies in Environmental Sciences, University of Mysore, Mysore

OTHERS:

- Good working knowledge of modern computing facilities, viz. most of the Word processing packages, graphic packages like Sigma Plot (Jendel, USA), Corel Draw 12 and Statistical packages like SPSS. 12.05 (Statistical Package for Social Sciences, Chicago, USA), etc.

(T S Harsha)