

## CURRICULUM VITAE

**Dr. BASAVARAJAPPA S.H.**

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### PERSONAL DETAILS

**Name** : **Dr.Basavarajappa S H**

**Designation** : Assistant Professor  
Department of Environmental Science  
KuvempuUnivesity, Shankaraghatta  
Shivamogha District. -577451

**Father's Name** : Hanumanthappa S.B

**Date of Birth** : 20-06-1979

**Permanent address** : Dr. Bsavarajappa S.H. S/O  
Hanumanthappa S.B (Sannappla)  
Bahaddurghatta (post)  
Chitradurga (Tq) & (Dist)  
Karnataka -577519

**Qualification** : M, Sc., Ph.D., K-SET., NET. (PDF)

**Area of Research** : Water pollution, wastewater treatment and Aquatic ecology

### WORK EXPERIENCE:

Sl. No.	Designation	Organization	Duration
1.	Effluent treatment plant Engineer	Bannari Amman Sugars Ltd. NANJANGUD	June2006 to June 2007
2.	Lab Chemist Safety and Environmental officer	Bangalore Metallurgicals (P) Ltd. Hoskote industrial area Bangalore.	June 2007 to Aug 2008
3.	Guest Lecturer, Yuvaraja's college Mysore, University of Mysore	Yuvaraja's college Mysore, University of Mysore	August 2011 to Nov 2011.
4.	Guest Lecturer, Fine Arts college Mysore, University of Mysore	Fine Arts college Mysore, University of Mysore	Feb 2012 to April 2012
5.	Guest Lecturer, Govt First Grade College, Periyapatna	Govt First Grade College, Periyapatna	Feb-2012 to April-2012
6.	Training Associate	Environmental Management and Policy Research Institute, Department of Forest, Ecology and Environment. Govt. of Karnataka. Hasiru Bhavana, Doresanipalya, Vinayaka Circle, J.P.Nagar 5 <sup>th</sup> Phase ,Bangalore-78	April 2012 to September 2012
7.	Lecturer, DOS in Environmental science	University of Mysore	2012 to 2016

## POST DOCTORAL RESEARCH EXPERIENCE:

SL.NO	Designation	Organization	Duration
1.	Post Doctoral Fellow	University of Mysore	Nov-2012 to Feb-2017

## NUMBER OF PUBLICATIONS AUTHORED

1. **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.
2. **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.
3. **S. H. Basavarajappa**, N. S. Raju, S.P. Hosamani and S.R. Niranjana. Freshwater diatoms as indicators of water quality of some important lakes of Mysore, Karnataka, India. *Indian Hydrobiology*.
4. **Basavarajappa S.H**, N.S. Raju, Shankar P. Hosmani, Puttaraju H.R. Application of the National Sanitation Foundation Index and the Innovative Water Quality Index to lakes of Mysore District. *OIJR*. {Bi-Monthly}, ISSN2249-9598, Volume-III, Issue-V, Sept-Oct 2013.
5. **Basavarajappa S.H**, N.S. Raju and Shankar P. Hosmani. (2014) Limnology: A critical Review. *Current world Environment* an International Journal. Vol.9 (3),741-759.
6. N.S. Raju, C. Roopavathi, M.A. Chandrashekar, M.S.Rakeshsharma and **S.H.Basavarajappa**. Microbiological Quality of Drinking Water in Hotels and Restaurants of Mysore City, Karnataka, India. *Global Journal of Environmental Research* 4 (3): 199-202,ISSN 1990-925X. (2010).
7. **Basavarajappa S.H**, Raju N.S, Supreeth M and Hosmani S.P. (2015). Isolation and Identification of Heterotrophic nitrifying bacteria from sewage sludge. *Indian journal of applied research* Volume 5. Issue-8, August 2015.
8. Sreenivasa, JS Chandrashekar, **SH Basavarajappa**, VG Sharath and Azis Kemal Fauzie (2016) Evaluation of Conventional and Aerobic Farming Practices in a Paddy based cropping System- A case study in Karnataka, India. *International Journal of Current Science*. ISSN 2250-1770, 19(2) : E 122-127.
9. Sreenivasa, Kishore Kumar, Basavarajappa S.H and Vahidsharifi (2016). Sustainable use of community tank water for command area as adapted through community based

traditional practices: A case study in Karnataka. *International journal of science, Environment*. ISSN 2278-3687, vol.5, No 3,2016, 1413-1420.

10. Basavarajappa S.H, Raju N.S (2020) Interrelationship between Phytoplankton groups and water chemistry variables in two lakes of Mysore using multivariable analysis. *International Journal of Ecology and Environmental Sciences*. Vol.2, Issues.3, Page No.336-343. (Impact factor: RJIF 5.28)
11. Vibha G, Lingaraj H G, Basavarajappa S H and Shankaramma Kalikeri (2022) Influence of Jeevamrutha on Beneficial Soil Microorganisms; A Review, *Adalya Journal*. Volume11, Issue 1 January(2022).
12. Akanksha P, Lingaraj H G, **Basavarajappa S H** and Shankaramma **K** (2022) Conversion of temple flower waste in to value added product for sustainable utilization A Review, *International Journal of Biology, Pharmacy and allied science* Volume11, (11): 5332-5345.
13. Annapoorna R, Sapna, Lingaraju H G, **Basavarajappa SH**, Vibha G and Shankramma Kalikeri (2022) Impacts of Azolla Application on Growth and yield Parameters of Okra Plant (*Abelmoschus Esculentus*) *An International Journal of creative Research Thoughts, An International Journal of creative Research Thoughts*
14. Hinduja Kunderi, Lingaraju Honnur Guusiddappa, **Basavarajappa Sannappla Hanumanthappa**, Shanaramma Kalikeri, (2022) Antimicrobial activity and Phytochemical Analysis of Solvent Extraction of Citrus Reticulate Peels, *World journal of Environmental Biosciences*, Volume11, Issue 2: 20-25.
15. **Basvarajappa S.H, Raju N.S. and Rakesh Sharma M.S.** Aquatic biomass degradation and ammonia oxidation using *Bacillus pumilus* sw1 isolated from the sludge of eutrophicated water body. *Journal of Applied Biology and Biotechnology* (Submitted).
16. **Basavarajappa S.H**, and Lingaraju H.G (2024), Influence of liquid formulations – Jeevamrutha and Panchagavaya on growth and yield attributes of tomato plant, *International journal of Biology, Pharmacy and Allied Sciences*.13(5):x-x, ISSN: 2277-4998.
17. **Hanumanthappa B and Basavarajappa S.H**, (2024) Production of biodiesel from algal blooms, *Zygnema* spp, *Ecology, environment and conservation* (Accepted).
18. **N.M. Guruprasad and Basavarajappa S.H** (2024), Seasonal dynamics of water quality parameters in Aghanashini and sharavathi estuaries: A comparison of a free – flowing river and a dammed river, *Indian Journal of Environmental Protection* (Accepted).

19. **Vasudha Ranjan, Divya J. Basavarajappa S.H (2024)**, A study on the impact of expired clonazepam tablet on soil quality, International journal of Biology, Pharmacy and Allied Sciences. (Accepted).

### **Book Chapters**

1. Lingaraju HG, Shanamma Kalikeri and **Basavarajappa S H (2022)**. An Overview of Ambient Air Quality Changes, Effects and Measures to Prevent Air Pollution with Reference to India. *Ecosystem and Environmental Pollution*, ISBN: 97-93-88854-97-9, Pages: 145-162.
2. **Basavarajappa S H, Rahul M S, Guruprasad N M & Ullasa Prasanna S (2022)**. Study on Avian Diversity of Hosanagara Region, Shivamogga Karnataka, *Bharti publications*. ISBN: 978-93-94779-42-6, Pages: 327-347

### **Books Published**

1. **Basavarajappa S.H** and Raju N.S (2016). Plankton Diversity of Lakes of Mysore, Lambert Academic publishing.

### **LIST OF PAPERS PRESENTED IN NATIONAL & INTERNATIONAL CONFERENCES:**

1. National Conference on Current Trends in Environmental Science & Sustainable development, Department of Studies in Environmental Science, University of Mysore. 27-28 Feb. 2009. **“Carlson’s Trophic State Index in Four fresh water lakes of Mysore District”**.
2. 97<sup>th</sup> The Indian Science Congress Association at Thiruvananthapuram, 3<sup>rd</sup>-7<sup>th</sup> Jan 2010. **“Importance of Trophic State Index in Lakes of Mysore District”**.
3. National Conference on Plant Diversity and Plant Health, Department of Studies in Botany, University of Mysore. 11-12 March 2010 **“Fresh Water Diatoms as indicators of Water Quality in Mysore District”**.
4. 103<sup>rd</sup> The Indian Science Congress Association at Mysore, 3<sup>rd</sup>-7<sup>th</sup> Jan 2016. **Interrelationship between Phytoplankton groups and water chemistry variables in lakes of Mysore District”**.
5. International Conference on Science and Technology: Future Challenges and Solutions-2016 held during 8<sup>th</sup> -9<sup>th</sup> August,2016 at Vijnana Bhavan, University of Mysore, Mysuru, Karnataka, India.” **Aquatic biomass degradation and ammonia oxidation using *Bacillus pumilus* SW1 isolated from the sludge of eutrophicated water body”**.

6. National Conference on “Biodiversity Conservation-Recent Development & Future Strategies” Organized by Department of Wildlife and Management, Kuvempu University on the date of 12-13<sup>th</sup> July-2018. Title of the topic **Degradation of biomass and ammonia oxidation using *Bacillus Sps.* isolated from the sludge of eutrophicated water body.**
7. A present a paper on the title “**Physico-chemical analysis of Dairy Industry effluent and its impact on seed germination and early growth in Zea Maysal (Maize)**” Two days’ National conference on Impact of Chemistry and Biology to the society and industry Dated 20 & 21 May-2022 at Dept. of Industrial chemistry, Kuvempu University.
8. A present a paper on the title **Overview of plastic pollution on terrestrial ecosystem of Aghanashini Estuary of Uttara Kannada District, India**, two days International Workshop on Combating plastics pollution in terrestrial environment Dated 14 & 15 March-2023 at JSS Academy of Higher education and Research, JSS University, Mysore.
9. National Conference on “**Innovative Microbial Trends and Challenges in the Environment (IMTCE-2020)**”, Department of Microbiology, Kuvempu University on the date of 2nd March 2020. Title of the topic **Biomass degradation and ammonia oxidation using *Bacillus sp.* isolated from the sludge of eutrophicated water body.**
10. Special lecture on Solid waste management in Urban, India. Department of Environmental science, Gulbarga university, Kalburgi -2022
11. “Two Days National Level Conference on Advances in Food Technology and Nutrition” AFTN-2024, held on 15<sup>th</sup> and 16<sup>th</sup> March 2024 at Department of Food Technology, Kuvempu university, Shakaraghatta. Karnataka, India. “**Production of Biodiesel from Algal Biomass: *Zygnema spp.***”.

#### **DETAILS OF PARTICIPATION IN SEMINAR / WORKSHOP/CONFERENCE:**

1. One-day symposium on New Trends and Challenges n SHE Management in Hazardous Industries held at Karnataka State Safety Institute Department of Factories and Boilers on 4<sup>th</sup> Dec. 2007.
2. One-day seminar on User Awareness Program on Access to e-Resources of UGC-INFONET Digital Library Consortium organized by Department of Library and Information Science, University of Mysore, 21-22 October 2008.

3. National Conference on Current Trends in Environmental Science and Sustainable Development organized by Department of Studies in Environmental Science, University of Mysore, February 27 & 28<sup>th</sup> 2009.
4. UGC sponsored State level one-day seminar on Genetic Engineering and its impact organized by the Faculty of Life Science, Bharathi College, Bharathinagara on 24<sup>th</sup> Jan 2009.
5. National conference on Plant Biodiversity and Bioprospecting by Department of Studies in Botany, University of Mysore, 16<sup>th</sup>& 17<sup>th</sup> March 2009.
6. Dr. Norman E. Borlaug Commemoration National Conference on Plant Diversity and Plant Health held at Department of Studies in Botany, University of Mysore, Mysore, on 11<sup>th</sup>& 12<sup>th</sup> March 2010.
7. National Level Seminar on Advanced Trends & Perspectives in Biotechnology organized by Departments of Biotechnology, Biochemistry & Microbiology in Collaboration with Dept. of Studies in Biotechnology, Manasagangotri, at SBRR Mahajana First Grade College Jayalakshampuram, Mysore-12. On 8<sup>th</sup>& 9<sup>th</sup> March 2010.
8. One-day symposium on Microbial Energy organized by Sir M. Vishweswaraya Chair and Department of Studies in Microbiology, University of Mysore, Mysore on 15<sup>th</sup> Sept. 2010.
9. Certificate of Appreciation held at University of Mysore, Suvarna Manasa 2011 exhibition conducted from 15<sup>th</sup> to 24<sup>th</sup> February, 2011.
10. Scenario mapping, Climate change and Infectious Diseases. October 12<sup>th</sup> to 14<sup>th</sup> 2011 at Department of Geography (GIS), Maharaja's College, University of Mysore. Mysore.
11. NABS National Seminar on Biological Products for crop, Animal and Human Health – Problems and Prospects. 21-22 August 2015 at Department of Biotechnology University of Mysore-06.
12. Bio-Medical Waste Management Training Program held on 7<sup>th</sup> to 9<sup>th</sup> August 2012 at MGIRED Jakkur Bangalore, Organized by Environmental Management and Policy Research Institute Bangalore-78.
13. Attended Developing MOOC through SWAYAM, workshop on 08<sup>th</sup> and 09<sup>th</sup> Jan 2019 at Kuvempu University. Shankaraghatta, Shivamogga, Karnataka, India.
14. Attended conference conducted by EMPRI, Bangalore on 19<sup>th</sup> August 2020
15. Attended One-day national seminar on Green Solutions held on 21<sup>st</sup> March 2024 at the Department of Environmental science Kuvempu university.

16. 30<sup>th</sup> Annual conference and Symposium on Advances in Biotechnology for plant Protection organized by Department of Studies in applied Botany and Biotechnology, University of Mysore, November 17-17, 2008.
17. Future Prospects of Agricultural Biotechnology held on 30<sup>th</sup> January 2013, organized by SBRR Mahajana First Grade College Jayalakshmipuram, Mysore-12.
18. National Conference on 97<sup>th</sup> Indian Science Congress held at University of Kerala, Thiruvanthapuram, from 3<sup>rd</sup> to 7<sup>th</sup> Jan 2010.
19. National Conference on 103<sup>rd</sup> Indian Science Congress held at University of Mysore, Mysore, from 3<sup>rd</sup> to 7<sup>th</sup> Jan 2016.
20. Modern trends in research methodology. 20<sup>th</sup> December 2011.at SBRR Mahajana First Grade College Jayalakshmipuram, Mysore-12.
21. Modern trends in research methodology Part-II. 16<sup>th</sup> April 2013.at SBRR Mahajana First Grade College Jayalakshmipuram, Mysore-12.
22. Applications of SPSS in Research Data Analysis. 4<sup>th</sup> March 2014. at SBRR Mahajana First Grade College Jayalakshmipuram, Mysore-12.
23. Attended workshop on 06<sup>th</sup> to 08<sup>th</sup> Aug 2019 at Higher Education Academy, Dharwad, Karnataka, India.
24. Attended Symposia on 15<sup>th</sup> and 16<sup>th</sup> Sep 2019 at 15<sup>th</sup> Kannada Vijnana Sammelana, Davanagere, Karnataka, India.
25. Attended Developing MOOC through SWAYAM, workshop on 28<sup>th</sup> June 2019 at Kuvempu University. Shankaraghatta, Shivamogga, Karnataka, India.
26. Attended one-day conference on 02 March 2020 at the Department of Microbiology, Kuvempu University, Shankaraghatta, Shivamogga, Karnataka, India.
27. Attended Symposia conducted by EMPRI, Bangalore on 15<sup>th</sup> August 2020
28. Attended one-day conference on 18<sup>th</sup> Aug 2020 at Department of History, Geography, and IQUAC, SBRR Mahajan First grade college, Mysore.
29. Participated in symposia on 20<sup>th</sup> August 2020 at Sri K Puttaswamy First Grade College, Mysore.
30. Participated in one day Symposia on 16<sup>th</sup> October 2020 at EMPRI, Bangalore.
31. Attended Two Day National seminar on 22<sup>nd</sup> and 23<sup>rd</sup> Feb 2022 at JSS University Department of Life Science, Mysore

32. Attended One Day National Seminar on 29<sup>th</sup> march 2022 at Department of Environmental science, Kuvempu University.

33. Attended Two Day National Conference on 20<sup>th</sup> and 21<sup>st</sup> may 2022 at Department of Industrial chemistry, Kuvempu University, Shankaragatta.

### Research Project:

Sr.No	Topic	Funding Agency	Grant Sanctioned	Duration
1	Isolation and characterization of nitrifying bacteria for degrading biomass in eutrophicated water bodies.	Kuvempu University	2 Lakhs	1.1.2021 to 31.12.2021 (1 Year)

### AWARDS:

1. Junior Research Fellowship, 2008, by **Rajiv Gandhi National Fellowship Scheme**
2. “**Best poster presentation award**” by Indian Science Congress Association, 2010, Kerala University, Trivandrum.
3. **Post-Doctoral Fellow**2012, by UGC, New Delhi.

### Membership of Professional Bodies

1. Member- Science Faculty, Member -LIC committee,2018 to till date
2. Member BOE, Dept. of Environmental Science, Kuvempu university-2019 to till date
3. Member BOS(PG) at Dept. of Environmental Science, Kuvempu University, 2021 to till date
4. Member BOS(UG), at Dept. of Environmental Science, Kuvempu University,2021-23
5. Member BOE, Dept. of Environmental Science, Gulbarga University 2019-20
6. Member BOE, Dept. of Environmental Science, Mangalore University 2019-20
7. Member BOE, at Dept. of Environmental science, Davanagere University, 2021-22
8. Assistant Director PMEB,Kuvempu University, Shankaraghatta-2023 to till date.
9. Faculty Advisor, Mayura Hostel-2020 to till date
10. Member BOE(UG), Dept of Environmental Science, Bangalore North University-2024



## **Orientation and Refresher course attended**

1. Participated in Refresher course conducted by UGC-HRDC, Bangalore from 14<sup>th</sup> to 28<sup>th</sup> Dec 2020.
2. Attended the Refresher course from 17<sup>th</sup> to 30<sup>th</sup> Aug 2020 conducted by GFGC-Harihara
3. Attended Refresher course from 03<sup>rd</sup> October to 16<sup>th</sup> October 2023 conducted by UGC-HRDC, Goa University’.
4. Participated in the 113<sup>th</sup> orientation programme (Environmental Science) from 23<sup>rd</sup> November 2017 to 20<sup>th</sup> December 2017, from Academic staff college, University of Mysore.

Yours,

**(Dr.BASAVARAJAPPA S. H.)**