



Curriculum Vitae

Of

Dr. YOGENDRA K M.Sc., Ph.D.,
Professor and Chairman,
Department of Environmental Science
Kuvempu University
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ACCOMPLISHMENT IN BRIEF

- Over twenty years of research experience as a Research Associate for a National River Conservation Directorate Research Project sponsored by the CPCB, MoEF, GoI, alongside extensive teaching experience as a Guest Lecturer, Assistant Professor, Associate Professor, and Professor at Kuvempu University.
- Received **Research funding** from different funding agencies such as **University Grant Commission (UGC) and VGST-CISEE.**
- Delivered Key note/invited/plenary and technical lectures in National/International seminars and conferences in different Universities/Institutes in India as well as in abroad.
- More than **50** new nanoparticles have been synthesized in the laboratories which were tested for their photocatalytic and dye degradation applications.
- Published over 100 research papers in national and international peer-reviewed journals and participated in more than 70 national and international conferences, collaborating with scientific professionals both domestically and internationally.
- Accumulated over 1000 scientific citations, with an h-index of 11 and an i10-index of 14, reflecting significant research contributions.
- Successfully **guided 11** Ph.D., & **01** M.Phil. Candidates and supervised **01** Post Doctoral candidate. Currently **08** students are pursuing Ph.D.
- Visited **Singapore, China, Dubai, Abhudabi and Thailand** for Research and academic activities.
- Served as **Coordinator** for OBC cell and Life skill development programme and Plastic Free Campus.
- Actively participated in Kuvempu University governance as a member of the Board of Studies, Board of Examination, Faculty of Science, and serving as Chairman of the Board of Examination and Board of Studies Working as Chairman for Doctoral committee at Tumkur University, Tumkuru and

Chairman for Board of Examination at Rani Chennamma University, Belagavi.

- Worked as **Deputy Registrar** for examination from **2012 to 2020** and transformed the examination system of Kuvempu University from manual system into student friendly online examination system.
- Acted as Nodal Officer for Sakaala, Seva-Sindhu, and Tatkal services of the Government of Karnataka at Kuvempu University.
- Worked as Nodal officer of National **Academic Depository (NAD)**, a MHRD and UGC joint project and successfully uploaded 20 lakhs of student's data.
- As the Chairman of the Department of P.G. Studies and Research in Environmental Science at Kuvempu University since August 2022, I have spearheaded several sustainability initiatives:

I. Susthira (Plastic-Free - Reusable Plate/Cups Lending Bank)

Implemented policies and awareness campaigns to reduce single-use plastics.

Collaborated with eco-friendly suppliers for sustainable packaging alternatives.

Established a reusable plate and cup lending system for campus events. Enforced strict Single Use Plastic (SUP) protocols within the department.

II. EcoCycle (Green Hub - Cycling Initiatives)

Promoted cycling to work by providing bike-friendly facilities.

Supplied 29 bicycles to support a cycling culture on campus.

III. EcoDrive (Sustainable Driving Practices)

Installed EV charging stations to encourage the use of electric vehicles. Aimed to reduce reliance on fossil fuels and lower greenhouse gas emissions.

IV. EcoLite (Solar Street Lights)

Installed energy-efficient solar street lights to decrease energy consumption.

Utilized renewable solar power for outdoor lighting needs.

These initiatives aim to foster a more sustainable and eco-friendly campus environment.

- Awards Received
 1. 'Senior Scientist Award' in the year 2012
 2. 'Sir. M. Visweswaraih Parisara Ratna' in 2009
 3. 'Best researcher in Environmental Science' in 2019

PERSONAL AND PROFESSIONAL DETAILS

NAME	Dr. YOGENDRA KAMBALAGERE
ADDRESS: CORRESPONDANCE	Professor, Department of P.G Studies and Research in Environmental Science, Kuvempu University Shankaraghatta – 577 451 Karnataka
PERMANENT	Sri Sri'nivasa, Behind SAN-JOS ITI, Rajmahal Extention, Gaadikoppa, Shimoga-577204.
DATE OF BIRTH	1.06.1971
DESIGNATION	Professor and Chairman, Department of P.G Studies and Research in Environmental Science.

EDUCATIONAL QUALIFICATION

B.Sc.	1990-1992, Bachelor of Science (Botany, Zoology, and Chemistry), Kuvempu University
M.Sc.,	1992-1994, Master of Science in Environmental Science, First class, Kuvempu University

Ph.D.	Environmental Science
Date of submission	23.12.1998
Date of award	12.02.2000
Topic	'Ecological investigations on certain lentic waterbodies of Shimoga'

EXPERIENCE

Teaching Experience	<p>Working as a faculty since January-2007 to till date in the Department of Environmental Science Kuvempu University, Jnana Sahyadri -577 451.</p> <p>The Subjects taught are; Environmental Biology, Environmental pollution, degradation and control, Environmental Impact assessment, Occupational health, Solid waste management, Ecosystem analysis, Hydrobiology, Biodiversity conservation and natural resources anagement, Watershed Management, Wild life Management, Environmental Education and law.</p>
Research Experience	Completed major research project entitled, 'Application of nanosized metal oxide particles as photocatalyst in the degradation of azo dyes' b 2011 funded by University Grant Commission, New Delhi.
	Completed a minor research project, 'An investigation on sand mining activity in River Tunga' funded by Kuvempu University -2008.

	Worked as a Research Associate in the major research project entitled “Water quality monitoring of river Tunga and Bhadra” Sponsored by NRCD, Dept. of Environment and Forests, Govt. of India, New Delhi during September 1998 to March-2005 in the Department of Environmental Science, Kuvempu University, Jnana Sahyadri –577 451.
	Worked as a member in the survey, ‘Western Ghats assessment programme-1990’ conducted by Indian Institute of Science, Bangalore during the June-1990
Other Responsibilities	Deputy Registrar (March 2012 to November 2020): Examination Branch, Evaluation, Kuvempu University, Shankaraghatta-577451
	Convener of OBC (2011-2012): OBC cell, Kuvempu University, Shankaraghatta-577451
	Convener of AOL (2007 to 2012): Kuvempu University, Shankaraghatta-577451

RESEARCH PROJECTS

	Position	Title	Agency	Year	Amount
1	Principal Investigator	Synthesis and application of metal oxide nanoparticles on Photocatalytic degradation of Industrial dyes and colored effluents	VGST, GOK	Completed 2023)	25,00,000/-
2	Principal Investigator	Application of nano sized metal oxide particles as photocatalyst in the degradation of azo dyes	UGC New Delhi	(Completed) 2014	8,60,657/-
3	Principal Investigator	An Investigation on sand mining activity in River Tunga	Kuvempu University	(Completed) 2008	50,000/-

Research Publications (80)

- 1 Hanumesh, M.K. Amshumali, P. Prachi, **Yogendra, K.** Madhusudhana N. and Vinay Kumar B., (2024). Investigation of bisindole linked pyrimidine moieties: synthesis using strontium aluminum supported strontium aluminate nanophosphors catalyst, DNA reactivity, and in silico molecular docking studies, *Nucleosides, Nucleotides & Nucleic Acids*, 43(7), 1-18.
(<https://doi.org/10.1080/15257770.2024.2358901>)
- 2 Santhosh, A.M., **Yogendra, K.**, Madhusudhana, N., Mahadevan, K.M., and Veena S.R., Efficient photodegradation of Victoria Blue B and Acridine Orange dyes by nickel oxide nanoparticles, *Materials Today: Proceedings*, 2023.
(<https://doi.org/10.1016/j.matpr.2023.06.089>)
- 3 Madhusudhana, N., **Yogendra, K.**, and Veena S.R., (2023). “Photocatalytic Degradation study of Coralene blue BGFS azo dye by using Synthesized SrAl₂O₄ nanoparticles and UV light, *European Journal of Science, Innovation and Technology*, 3(1), 259-268. ISSN: 2786-4936.
(<https://ejsit-journal.com/index.php/ejsit/article/view/176>)
- 4 **Yogendra, K.**, and Madhusudhana, N. (2022) “Photo Degradation of Coralene Dark Red 2b Dye by Using Synthesized Nano Particles under UV Light”, *Asian Journal of Organic & Medicinal Chemistry*, 7(1): 708-716. ISSN (Online): 2456-8937.
- 5 Madhusudhana, N., **Yogendra, K.**, Veena S. R., and Varsha G. K., (2022) “Photocatalytic degradation of Coralene Red BEL dye by using synthesized Magenesium Zinc Aluminate nanoparticle under UV light”, *International Journal of Scientific Engineering and Applied Sciences (IJSEAS)*, 8(4), 183-192. ISSN: 2395-3470.
(<https://ijseas.com/volume8/v8i4/IJSEAS202204116.pdf>)
- 6 Madhusudhana, N., **Yogendra, K.**, and Yuvaraj, (2022) “Photocatalytic degradation of Coralene Yellow 7GD dye by using synthesized MgZnAl₂O₅ nanoparticle under UV light (254 nm)”, *International Journal of Innovative Science, Engineering & Technology (IJSET)*, 9(5), 98-106. ISSN (Online): 2348-7968.
(https://ijiset.com/vol9/v9s5/IJSET_V9_I05_12.pdf)

- 7 Veena, S.R., **Yogendra, K.**, Madhusudhana, N., Latha, C., “A preliminary investigation on photocatalytic degradation of Coralene Blue BGFS dye by using synthesized Magnesium Zinc Aluminate nanoparticle in presence of UV light”. *Journal of innovative biology* 2022, 11(3), pp: 689-701, 2022, ISSN - 2277-8330.
<https://doi.org/10.46344/JBINO.2022.v11i03.10>
- 8 Yathisha, N.S., Plancot, B., Ramdani, Y., Gugi, B., **Yogendra, K.**, Jogaiah, S., Driouich, A., and Sharatchandra, R.G. (2021). Physiological and biochemical responses involved in vegetative desiccation tolerance of resurrection plant *Selaginella brachystachya*, *3 Biotech*, 11(135):1-17. Doi.org/10.1007/s13205-021-02667-1. ISSN (E): 2190-5738.
- 9 Santhosh, A.M., **Yogendra, K.**, Mahadevan, K.M., Mallikarjuna, I.H., and Madhusudhana, N. (2020). “Photocatalytic degradation of Victoria blue B a cationic dye by synthesised zinc oxide nanoparticle”, *International Journal of Nanoparticles*, 12(4): 327-341. ISSN (O): 1753-2515, ISSN (P): 1753-2507.
- 10 Shilpa, G., **Yogendra, K.**, Mahadevan, K.M., Madhusudhana, N., and Santhosh, A.M. (2020). “Photodegradation of Acid Red 88 and Direct Green 6 Dyes using prepared Nickel Oxide Nanoparticles”, *Indian Journal of Environmental Protection*, 40(11): ISSN: 1192-1197. ISSN: 0253-7141.
- 11 Nagendra Naik, K., **Yogendra, K.**, and Mahadevan, K.M. (2020). “Solar Light Induced Photodegradation of Brilliant Green Dye by Barium Calciate (BaCaO₂) Nanoparticles”, *Nature Environment and Pollution Technology*, 19(4): ISSN: 1683-1688. ISSN (p) 0972-6268, ISSN (e) 2395-3454.
- 12 Santhosh, A.M., **Yogendra, K.**, Mahadevan, K.M., and Madhusudhana, N. (2020). “Synthesis of Efficient Calcium Silicate Catalyst for The Degradation of Acridine Orange and Victoria Blue B Dyes”, *International Journal of Scientific & Technology Research*, 9(11): 1-5. ISSN 2277-8616.
- 13 Yathisha, N.S., Barbara, P., Gugi, B., **Yogendra, K.**, Jogaiah, S., Azeddine, D., and Sharatchandra, R.G. (2020). “Vegetative desiccation tolerance in *Eragrostiella brachyphylla*: biochemical and physiological responses”, *Heliyon*, 6(e04948): 1-11. DoI.org/10.1016/j.heliyon.2020.e04948. ISSN: 2405-8440(O).
- 14 NagendraNaik, K., **Yogendra, K.** and Mahadevan, K. M. (2020). “Solution Combustion Synthesis of BaCaO₂ Nanoscale Metal Oxide and Photocatalysis of Methyl Violet 10B Dye”, *Journal of Critical Reviews*, 7(4): 2259-2265. ISSN:

2394-5125.

15 **Yogendra, K.**, and Madhusudhana, N. (2020) “Air Quality Index (AQI) in Bangalore, Karnataka, during 21 days of COVID-19 lockdown period - a preliminary study”, *Journal of Emerging Technologies and Innovative Research*, 7(5): 805-812. ISSN: 2349-5162.

16 Santhosh, A.M., **Yogendra, K.**, Mahadevan, K.M., and Madhusudhana, N. (2020). Application of synthesized tetragonal structured zirconium oxide nanoparticle on victoria blue B and acridine orange dye, **Journal of Physics: Conference Series**, 1495, 1-7. doi:10.1088/1742-6596/1495/1/012007. ISSN (P): 1742-6588. ISSN (O): 1742-6596.

17 Santhosh, A.M., Yogendra, K., Mahadevan, K.M., and Madhusudhana, N. (2020). Application of Efficient Photocatalyst in the Degradation of Textile Dye Brilliant Blue R, *Research Journal of Chemistry and Environment*, 24 (6), 102-106. ISSN: 0972-0626.

18 Pushpa, V., **Yogendra, K.**, Mahadevan, K. M., and Mahesh, M. (2020). Enhancement of Azo Dye Degradation by Chemical and Physical Mutagenesis in Identified Bacillus: An influential Source of Industrial Dye Degradation, *International Journal of Current Microbiology and Applied Sciences*, 9(3): 1987-1997. Doi.org/10.20546/ijcmas.2020.903.231. ISSN: 2319-7706.

19 Shilpa, G., **Yogendra, K.**, Mahadevan, K.M., and Santhosh, A.M. (2019). Photocatalytic Degradation of Mono Azo Dye Acid Red 88 by using Synthesized Calcium Aluminate Nanoparticles and its Kinetics, *Research Journal of Chemistry and Environment*, 23(10), 29-35. ISSN: 0972-0626.

20 Bhavya, C., **Yogendra, K.**, and Mahadevan, K.M. (2019). Evaluation of Acute and Subacute Toxicity of Synthesized Calcium Aluminate Nanoparticles in Common Carp *Cyprinus carpio*, *Elixir Environment and Forestry*, 113, 53506-53511. ISSN: 2229-712X.

21 Bhavya, C., **Yogendra, K.**, and Mahadevan, K.M. (2019). Acute and sublethal toxicity of Calcium Magnesiante nanoparticle to the freshwater fish, *Cyprinus carpio*, *Journal of Emerging Technologies and Innovative Research (JETIR)*, 6(6), 322-329. ISSN: 2349-5162.

- 22** Pushpa, V., **Yogendra, K.**, Mahadevan, K.M., and Mahesh, M. (2019). Isolation and identification of azo dye degrading microbes using 16s r RNA sequencing, *Journal of Applied and Natural Science*, 11(2): 245- 249. P-ISSN: 0974-9411. E-ISSN: 2231-5209.
- 23** Niranjana, K.S., Yogendra, K., Mahadevan, K. M. (2019). Assessment of soil quality index under coffee land use system of hilly zone of Karnataka, India, *Journal of Pharmacognosy and Phytochemistry*, 8(1), 2548-2553. E-ISSN: 2278-4136 P-ISSN: 2349-8234.
- 24** Niranjana, K.S., **Yogendra, K.**, Mahadevan, K. M. (2019). Soil Quality Index (SQI) as Influenced by Paddy Land Use among Different Districts of Hilly Zone of Karnataka, *Environment and Ecology*, 37(2), 528-534. ISSN: 0970-0420.
- 25** Niranjana, K.S., **Yogendra, K.**, Mahadevan, K. M. (2019). Soil quality assessment through minimum data set under Areca-nut land use system hilly zone of Karnataka, India, *International Journal of Environment, Ecology, Family and Urban Studies (IJEEFUS)*, 9(1), 27-34. ISSN (P): 2250-0065; ISSN (E): 2321-0109.
- 26** Santhosh, A.M., **Yogendra, K.**, Mahadevan, K.M., and Madhusudhana, N. (2018). “Synthesis and Application of NiCaO₂ Nanoparticle on the Photo Catalytic Degradation of Direct Green 6 Di-Azo Moiety-Based Textile Dye”, *International Journal of Advances in Science Engineering and Technology*, 6(2), 83-88. ISSN(p): 2321-8991, ISSN(e): 2321-9009.
- 27** Santhosh, A.M., **Yogendra, K.**, Mahadevan, K.M., Mallikarjuna, I.H., Madhusudhana, N. (2018). “Efficiency of Properties of Nickel Calcite Nanoparticle Synthesized by solution combustion method”, *International Journal of Scientific Research in Physics and Applied Sciences*, 6(5), 48-56. Doi.org/10.26438/ijsrpas/v6i5.4856. ISSN(e): 2348-3423.
- 28** Santhosh, A.M., **Yogendra, K.**, Mahadevan, K.M., Mallikarjuna, I. H., Madhusudhana, N. (2018). “Comparative Study on Photocatalytic Degradation of Coomassie Brilliant Blue G Dye by using Nickel Calcite Nanoparticles”, *Journal of Emerging Technologies and Innovative Research (JETIR)*, 5(9), 155-164. ISSN: 2349-5162.

29	Kiran, G.R., Yogendra, K. , Mahadevan, K.M., Madhusudhana, N., and Santhosh, A.M. (2018). "Photocatalytic Degradation of Direct blue 14 in Sunlight/SrCaO ₂ System", <i>Journal of Emerging Technologies and Innovative Research (JETIR)</i> , 5(9), 273-278. ISSN: 2349-5162.
30	Shilpa, G., Yogendra, K. , Mahadevan, K.M., Madhusudhana, N., and Santhosh, A.M. (2018). "A Comparative Study over Degradation of Direct Green 6 by using Synthesized Magnesium Aluminate and Magnesium Zincate Nanoparticles", <i>IOSR Journal of Applied Chemistry (IOSR-JAC)</i> , 11(5): 01-08. DOI: 10.9790/5736-1105010108. ISSN: 2278-5736
31	Madhusudhana, N., Yogendra, K. , Mahadevan, K.M. (2018). "Study on Photocatalytic Degradation Violet GL2B Using Synthesized MgZnAl ₂ O ₅ Nanoparticles", <i>JASC Journal of Applied Science and Computations</i> , 5(7), 128-140. DOI: 16.10089. JASC. 2018.V517.453459.14441. ISSN: 0076-5131.
32	Santhosh, A.M., Yogendra, K. , Mahadevan, K.M., Mallikarjuna, I. H., Madhusudhana, N. (2018). "Application of Nickel Calcite Nanoparticle in the Photodegradation of Direct Green 6 Dye", <i>International Research Journal of Environmental Sciences</i> , 7(6), 12-18. ISSN: 2319-1414.
33	Yathisha, N.S., Barbara, P., Bruno, G., Vire-Gibouin, M., Azeddine, D., Sharatchandra, R.G., Akash, D., and Yogendra, K. (2018). "Perspectives on Structural, Physiological, Cellular, and Molecular Responses to Desiccation in Resurrection Plants", <i>Hindawi Scientifica</i> , 1-18. Doi.org/10.1155/2018/9464592.
34	Bhavya, C., Yogendra, K. , Mahadevan K. M. (2018). "Subacute toxicity study of calcium zincate nanoparticle exposed to common carp <i>Cyprinus carpio</i> ", <i>International Journal of Fisheries and Aquatic Research</i> , 3(3), 42-49. ISSN: 2456-7248.
35	Bhavya, C., Yogendra, K. , Mahadevan, K.M., Madhusudhana, N. (2018). "Acute toxicity test of synthesized calcium zincate nanoparticles in common carp <i>Cyprinus carpio</i> ", <i>International Journal of Fisheries and Aquatic Studies</i> , 6(3), 267-271. ISSN: 2347-5129.
36	Santhosh, A.M., Yogendra, K. , Mahadevan, K.M., Jayashree, K. K., Madhusudhana, N. (2018). "Solution Combustion Synthesis of Aluminium Oxide Nanoparticles by Using Fuel Weed Plant <i>Parthenium Hysterophorus L</i> and its Antibacterial Activity", <i>International Journal of Current Advance Research</i> , 7(5D), 12454-12457. doi.org/10.24327/ijcar.2018.12457.2190.

ISSN- 2319-6475.

- 37** Madhusudhana, N., **Yogendra, K.**, Mahadevan, K.M., Santhosh, A.M. (2018). “Study on photocatalytic Degradation of Coralene Red F3BS by using Synthesized Al₂O₃ nanoparticles”, *AGU International Journal of Engineering and Technology*, 6(1-6), 29-37. ISSN- 2455-6734.
- 38** Niranjana, K.S., **Yogendra, K.**, and Mahadevan, K.M. (2018). Physico-chemical characterisation and fertility rating of maize growing soils from hilly zone of Shivamogga district, Karnataka, *Indian Journal of Agricultural Research.*, 52 (1): 56-60. ISSN: 0367-8245.
- 39** Pushpa, V., **Yogendra, K.**, Mahadevan, K. M., Mahesh, M., Mahesha, K., and Aroonsrimorakot, S. (2017). “Effect of Carbon and Nitrogen Sources for the Degradation of Red 2G by Bacillus Sp.,” *International Journal of Pharmaceuticle Sciences Review and Research*, 47(1): 108-113. ISSN 0976-044X.
- 40** Madhusudhan, N., **Yogendra K.**, Mahadevan K. M., Kiran G.R. (2017). “Synthesis and Applcation of MgZnSrO₃ Nano-particle for the Photocatalytic decolorization of Coralene Dark Red 2B Azo Dye (CDR 2B)”, *AGU International Journal of Science and Technology*, 5: 1-10, ISSN- 2455-3808.
- 41** Madhusudhana N., **Yogendra K.**, Mahadevan K.M., Santhosh, A.M. (2017). Synthesis and Application of MgZnSrO₃ Nano-particle to the Photocatalytic Decolourization of Victoria Blue B Dye (VBB), *International Journal of Advance Research in Science and Engineering*, 6(8): 52-61. ISSN: 2319-8354.
- 42** Shilpa G., **Yogendra K.**, Mahadevan K. M., Madhusudhana N. (2017). Synthesis of ZnAl₂O₄ Nano-Particles and Its Application for Photo-Catalytic Decolourization of Model Azo Dye Acid Red 88 in Presence of Natural Sunlight, *IOSR Journal of Applied Chemistry*, 10(7): 35-41. ISSN: 2278-5736. DOI: 10.9790/5736-1007023541.
- 43** Chaitra H., Lavanya PM., Pavitra K., Sharatchandra RG., **Yogendra K.**, Yathisha N.S. (2017). Identification and Evaluation of Cellular and Biochemical Changes in Responses to Desiccation Tolerance in Cheilanthes Albomarginata Fern, *Journal of Biotechnology and Biochemistry (IOSR-JBB)*, 3(4): 25-32. ISSN: 2455-264X, DOI: 10.9790/264X-03042532.

44	Madhusudhana N., Yogendra K. , Mahadevan K.M., Santhosh, A.M. (2017). Synthesis and Application of Complex Metal Oxide nanoparticles to the Photocatalytic decolourization of Violet GL2B Azo dye, <i>International Journal of Advance Research in Science and Engineering</i> , 6(7): 230-239. ISSN: 2319-8354.
45	Kiran G.R., Yogendra K. , Mahadevan K.M., Madhusudhana N. (2017). Solar Photocatalytic decolourization of Direct blue 14 dye by using Synthesized SrO Nanoparticles, <i>International Journal of Advance Technology in Engineering and Science</i> , 5(7): 173-182. ISSN: 2348-7550.
46	Santhosh A.M., Yogendra K. , Mahadevan K.M., Madhusudhana N. (2017). Photodegradation of Congo Red azo dye, a Carcinogenic Textile dye by using synthesized Nickel Calcite Nanoparticles, <i>International Journal of Advance Research in Science and Engineering</i> , 6(7): 51-64. ISSN: 2319-8354.
47	Madhusudhana N., Yogendra K. , Mahadevan K.M., Kiran G.R. (2016). Photocatalytic Degradation of Violet GL2B using synthesized CaZnAl ₂ O ₅ , <i>Research Journal of Chemical Sciences</i> , 6(12):47-53.ISSN: 2231-606X
48	Bhavya C., Yogendra K. , Mahadevan K.M., Madhusudhana N. (2016). Synthesis of Calcium Oxide Nanoparticles and Its Mortality Study on Fresh Water Fish Cyprinus Carpio, <i>Journal of Environmental Science, Toxicology and Food Technology</i> , 10(12):55-60. ISSN: 2319-2402
49	Yogendra K. , Bhavya C, Mahadevan K.M., Madhusudhana N. (2016). Decolorization of synthetic Coralene Violet 3R and Disperse Blue 2BL azo dyes using photoactive Calcium Aluminate nanoparticle in presence of sunlight, <i>International Journal of Advances in Chemical Engineering & Biological Sciences</i> , 3(1): 108-112.ISSN: 2349-1507.
50	Niranjana K. S., Yogendra K. , Mahadevan K. M. (2016). Chemical Characterisation and Nutrient rating of Soils of Arecanut (ARECA CATECHU L.) Gardens of Hilly Zone of Karnataka, <i>International Journal of Agricultural Science and Research (IJASR)</i> , 6(3): 25-30. ISSN (P): 2250-0057; ISSN (E): 2321-0087.
51	Shilpa G., Yogendra K. , Mahadevan K.M., Madhusudhana N. (2015). Synthesis and Characterization of Zinc Oxide (ZnO) Composite Nanoparticles and its Efficiency in Photo catalytic degradation of Red HRBL dye in Aqueous Solution by Solar Radiation, <i>International Journal of Environmental Sciences</i> , 4(4): 188-194.ISSN: 2277-1948.

52	Madhusudhana N., Yogendra K. , Mahadevan K.M. (2015). A study on photocatalytic decolourization of Violet GL2B azo dye using two different synthesized nano particles CaZnO ₂ against commercially available TiO ₂ , <i>International Journal of Chemical and Environmental Engineering</i> , 6(4):210-218. ISSN: 2078-0737.
53	Bhavya C., Yogendra K. , Mahadevan K.M. (2015). A Study on the synthesis, characterization and photocatalytic activity of CaO nanoparticle against some selected azo dyes, <i>Indian Journal of Applied Research</i> , 5(6):361-365. ISSN: 2249-555X.
54	Bhavya C, Yogendra K. , Mahadevan K.M. (2015). Synthesis of Calcium Aluminate nanoparticle and its application to photocatalytic degradation of Coralene Navy Blue 3G and Coralene Violet 3R, <i>International Journal of Research in Chemistry and Environment</i> , 5(1): 28-33. ISSN: 2248-9649.
55	Madhusudhana N., Yogendra K. , Mahadevan K.M. (2014). Photocatalytic Decolorization of Textile Effluent by using Synthesized Nano particles', Journal of Environmental Nanotechnology , 3(4):41-53. ISSN: 2319-5541.
56	Madhusudhana N., Yogendra K. , Mahadevan K.M. (2014). A Comparative Study on the Textile Effluent Decolourization by Using Synthesized Nano Particle and Procured Nano Particle', <i>International Journal of Nano Studies & Technology</i> , 3(6):1-8. ISSN: 2167-8685.
57	Bhavya C., Yogendra K. , Mahadevan K.M. (2014). 'Synthesis and comparative study of CaZnO ₂ nano particle for their decolorization efficiency against disperse blue 2BL di azo dye in presence of sunlight', <i>Journal of Chemical Biological and Physical sciences</i> , 4(3): 1973-1979. ISSN: 2249-1929.
58	Gopalappa H., Yogendra K. , Mahadevan K.M., Madhusudhana N. (2014). 'Solar Photocatalytic Degradation of Azo Dye Brilliant Red in aqueous Medium by synthesized CaMgO ₂ nano particle as an alternate catalyst', <i>Chemical Science Transactions</i> , 3(1): 232-239. ISSN 2278-3458.
59	Madhusudhana N., Yogendra K. , Mahadevan K.M. (2013). 'Photocatalytic Decolourization of Textile Effluent by using metal oxide nano particles', <i>Journal of Science and Arts</i> , 3(24): 303-318. ISSN 1844-9581.
60	Madhusudhana N., Yogendra K. , Mahadevan K.M. (2012). 'A Comparative Study on Photocatalytic degradation of Violet GL2B azo dye using CaO and TiO ₂ nano particles', <i>International Journal of Engineering Research and</i>

Applications,2(5): 1300-1307. ISSN 2248-9622.

61 Gopalappa H., **Yogendra K.**, Mahadevan K.M. (2012). 'A comparative study on the solar photocatalytic degradation of Brilliant Red azo dye by CaO and CaMgO₂ nanoparticles', *International Journal of Science Research*, 1(2): 91-95. ISSN 2277-7989.

62 Gopalappa H., **Yogendra K.**, Mahadevan K.M., Madhusudhana N. (2012). 'Solar Photocatalytic Degradation of Orange G (Mono azo dye) and C I Direct Yellow 50 (Di azo dye) by synthesized CaZnO₂ nano particle in aqueous solution', *International Journal of Universal Pharmacy and Life Sciences*, 2(4): 66-77. ISSN 2249-6793.

63 Gopalappa H., **Yogendra K.**, Mahadevan K.M., Madhusudhana N. (2012). Solar Photocatalytic Degradation of Commercial Azo Dye Acid Orange 7 by Synthesized CaZnO₂ Nanoparticle as an Effective Catalyst, *International Journal of Research in Chemistry and Environment*, 2(3): 39-43. ISSN: 2248-9649.

64 Suneel Naik., **Yogendra K.**, Mahadevan K.M. (2012). Synthesis and photocatalytic activity of ZnO nanoparticles against Coralene red F3BS dye in presence of UV and solar radiation, *International Journal of Universal Pharmacy and Life Sciences*, 2(4): 16-25. ISSN: 2249-6793.

65 Madhusudhana N., **Yogendra K.**, Mahadevan K.M. (2012). 'Photocatalytic decolorization of Violet GL2B azo dye by using calcium aluminate nano particle in presence of solar light', *Research Journal of chemical Sciences*, 2(5): 72-77. ISSN 2231-606X.

66 Madhusudhana N., **Yogendra K.**, Mahadevan K.M., (2012). 'Decolorization of Coralene Dark Red 2B azo dye using Calcium Oxide Nanoparticle as an adsorbent', *International Journal of Research in Chemistry and Environment*, 2(2): 21-25. ISSN 2248-9649.

67 Madhusudhana N., **Yogendra K.**, Mahadevan K.M., SuneelNaik., Gopalappa H. (2011). 'Photocatalytic Degradation of Coralene Dark Red 2b Dye Using Calcium Aluminate (CaAl₂O₄) Catalyst', *Environmental Science: An Indian Journal*, 6: 1-5. ISSN-0974-7451.

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- 69 **Yogendra K.**, Pradeep S., Sridhara S., KalleshwaraSwamy C.M. (2011). 'Biology and feeding potential of Diphaaphidivora (Meyrick) (Lepidoptra, Pyralidae) an important predator of sugarcane wooly aphid (CeratovacunalanigearZehntner) Homoptra : Aphididae): An alien pest of sugarcane', *Journal of Current Science*, 16(1): 97-102. ISSN-0972-6101.
- 70 **Yogendra K.**, Pradeep S., Sridhara S., KalleshwaraSwamy C.M., Mytri. (2011) 'Seasonal activity of DiphaaphidivoraMeyrick and its impact on the population dynamics of woolly aphid, CeratovacunalanigeraZehntner in Bhadra command area', *Journal of Current Science*, 16(1): 219 – 227. ISSN-0972-6101.
- 71 **Yogendra K.**, SuneelNaik., Mahadevan. K.M., Madhusudhana N. (2011). 'A comparative study of photocatalytic activities of two different synthesized ZnO composites against Coralene Red F3BS dye in presence of natural Solar light', *International Journal of Environmental Sciences and Research*, 1(1): 11-15. ISSN-0976-4402.
- 72 Madhusudhana N., **Yogendra K.**, Mahadevan K.M., Suneel Naik. (2011). 'Photocatalytic degradation of Coralene Dark Red 2B azo dye using Calcium zincate nanoparticle in presence of natural sunlight: An aid to Environmental remediation', *International Journal of Chemical Engineering and Applications*, 2(4):301-305. ISSN-2010-0221. DOI. 10.7763/IJCEA.2011.V2.120.
- 73 **Yogendra K.**, Mahadevan K.M., SuneelNaik., Madhusudhana N. (2011). 'Photocatalytic activity of synthetic ZNO composite against Coralene red F3BS dye in presence of solar light', *International Journal of Environmental Science*, 1(5): 839-846. ISSN-0976-4402.
- 74 **Yogendra K.**, Sharma P.S, Arpana., Puttaiah E.T., Hanumanthareddy M. (2010). 'Occurrence of Allergenic Fungi in the Ambient Air of Bhadravathi Town, Shimoga District, Karnataka state, India', *International Journal of Biomedical and Pharmaceutical Sciences*, 4(2): 111-113.
- 75 **Yogendra K.**, Arpana P.S., Puttaiah E.T. (2008). 'Distribution of fungal spores as aeroallergens in and around Bhadravati Town, Karnataka,India', *Journal of Current Sciences*, 12(1): 295-302.

76	Yogendra K. , Puttaiah E.T., Arpana P.S. (2007). 'Identification and estimation of fungal spores as Allergens in and around Bhadravati town,Karnataka', <i>Kuvempu university Science Journal</i> , 4(1): 110-116.
77	Yogendra K. , Puttaiah E.T. (2007). 'Water quality assessment of Bhadra river by using Factor analysis at downstream of Bhadravati Town, Karnataka', <i>Kuvempu university Science Journal</i> , 4(1): 117-122.
78	Yogendra K. , Puttaiah E.T. (2007). 'Water quality assessment of Tunga river by using Factor analysis', <i>Nature Environment and Pollution Technology</i> , (3): 393-397.
79	Puttaiah E.T., and Yogendra K. (2000). Physico-chemical factors responsible for the distribution and periodicity of Chlorococcales in certain lentic water bodies of shimoga, Karnataka State, India, <i>Journal of Aquatic Environment Health Management</i> , 9(3): 30-39.
80	Yogendra K. , Puttaiah E.T. (1999). 'A study on pH, dissolved oxygen and free carbon dioxide in the water bodies of Shimoga, Karnataka State', <i>Journal of Living World</i> , 6(2):1-7.

Research articles published in the proceedings of International Conference/Seminars (9)

1	Santhosh A.M., Yogendra K. , Mahadevan K.M., and Madhusudhana N. (2023). "Magnesium Silicate Nanoparticles as Efficient Catalyst for the Degradation of Victoria Blue B and Acridine Orange Dye", in an International Conference on Advances in Materials, Ceramics and Engineering Sciences (AMCES-2020). AIP Conf. Proc. 2399, 020024-1–020024-7; https://doi.org/10.1063/5.0143283 .
2	Yogendra K. , Madhusudhana N., and Mahadevan K.M. (2019). "Decolourization of Fast Red Acid dye using Photoactive Bi ₂ O ₃ Nanoparticle under Solar Irradiation", in Proceedings of the International Conference on Future Environment Pollution and Prevention - ICFEPP, 11-16, Beijing, China. 21st to 23rd July. DOI: 10.5220/0008652200110016.
3	Santhosh, A.M., Yogendra K. , Mahadevan K.M., Madhusudhana N., "Synthesis and Application of NiCaO ₂ Nanoparticles on the Photocatalytic Degradation of Direct Green 6Di-Azo Moiety Based Textile Dye" in proceedings of ISER 112th International Conference , held at Bangkok, Thailand, 5th and 6th March 2018.

4	Bhavya C., Yogendra K. , Mahadevan K.M., Madhusudhana N., (2018). “Acute toxicity test of Synthesized Calcium Oxide (CaO) nanoparticles in common carp (Cyprinus carpio)” in proceedings of Biotechnological Solutions for Sustainable environmental Management held at Tumkur University, during 15th February 2018.
5	Santhosh, A.M., Yogendra K. , Mahadevan K.M., Madhusudhana N., “Application of synthesized Nickel Calcate Nanoparticles for the Degradation of Black MSRL Reactive Dye (Poster Presentation)” in one day International Conference on Science and Technology for the management of emerging Environmental issues-2017, during 7th January 2017.
6	Kiran G.R., Yogendra K. , Mahadevan K.M., Madhusudhana N., “Comparative study on photocatalytic degradation of textile effluent by using synthesized metal oxide nano-particles” in National Conference on “Applications of Nanotechnology in Environmental Remediation-2015, 105-111.
7	Yogendra K. , Mahadevan. K. M., SuneelNaik, Madhusudhana N., ‘Photocatalytic decolorization of Coralene Dark Red 2B Azo Dye by using Calcium zincate nanoparticle in presence of natural sunlight’ Proceedings of International conference on chemistry and chemical process-2011, Bangkok, Thailand, 2011.
8	Yogendra K. , SuneelNaik., Mahadevan K.M., Madhusudhana N., “ZnO Composite mediated photocatalytic degradation of Coralene Red F3BS azo dye under natural sunlight” in 4th International Congress of Environmental Research held at SVNIT, Surat during December 15 to 17, 2011.
9	Yogendra K. , Puttaiah E.T. “Determination of Water Quality Index and Suitability of an Urban Waterbody in Shimoga Town, Karnataka, I Proceedings of Taal 2007: The 12th World Lake Conference.

Research Papers Presented at International conferences.(26)

1	Yogendra, K. , (2020). “Study on photocatalytic degradation of textile effluent by using CaZnMgO ₃ nanoparticles”, in an International Conference 107 th Indian Science Congress held at university of Agricultural Sciences, Bangalore from 3-7 January 2020.
2	Yogendra, K. , and Madhusudhana N. (2020). “A Study on Air quality Index (AQI) of Bangalore Karnataka during Lock Down Period Combat Corona virus Disease (Covid-19): Air Quality turns for better from Hazardous”, in International Conference on Contemporary Trends in Management, Technology and Engineering during 18th April 2020.
3	Santhosh, A.M., Yogendra, K. , Mahadevan, K.M., Madhusudhana, N. “Magnesium Silicate Nanoparticles as Efficient Catalyst for the Degradation of

	Victoria Blue B and Acridine Orange Dye”, in International Conference on Advances in Materials, Ceramics and Engineering Sciences (AMCES) during 17th to 18th January 2020.
4	Yogendra, K. , Madhusudhana, N., Mahadevan, K.M. (2019). “Decolourization of Fast Red Acid Dye using Photoactive Bi ₂ O ₃ Nanoparticle under Solar Irradiation”, in International Conference on Future Environment Pollution and Prevention (ICFEPP), during 21st to 23rd July 2019.
5	Santhosh, A.M., Yogendra, K. , Mahadevan, K.M., Mallikarjuna, I. H., Madhusudhana, N. (2019). “Photocatalytic Decolourization of Acridine Orange Dye by using Synthesized Nickel Oxide Nanoparticles”, in International Conference on Advanced Functional Materials for Environment and Health Care (AFMEEHC), during 18th to 20th March 2019.
6	Santhosh, A.M., Yogendra, K. , Mahadevan, K.M., Mallikarjuna, I. H., Madhusudhana, N. (2018). “Comparative Study on Photocatalytic Degradation of Coomassie Brilliant Blue G Dye by using Nickel Calcite Nanoparticles”, in 2nd International Conference on Science, Technology and Management, during 16th September 2018
7	Santhosh A.M., Yogendra K. , Mahadevan K.M., Madhusudhana N., “Synthesis and Application of NiCaO ₂ Nanoparticle on the photocatalytic Degradation of Direct Green 6 Di-Azo Moiety Based Textile Dye” in International Conference on Science, Engineering and Technology (ICSET), during 5th and 6th March 2018.
8	Santhosh A.M., Yogendra K. , Mahadevan K.M., Madhusudhana N., “Application of Zinc oxide Nanoparticles in the Decolourization of Victoria Blue B Dye” in International Conference on Nanomaterials and their Applications, during 1st and 2nd March 2018.
9	Madhusudhan, N., Yogendra K. , Mahadevan K. M., Kiran G.R. “Synthesis and Application of MgZnSrO ₃ Nano-particle for the Photocatalytic decolorization of Coralene Dark Red 2B Azo Dye (CDR 2B), in 10th International Conference on Recent Trends in Engineering Science and Management, 2017.
10	Madhusudhan, N., Yogendra K. , Mahadevan K. M., Santhosh A.M. “Synthesis and Application of MgZnSrO ₃ Nano-Particle to the Photocatalytic Decolourization of Victoria Blue B Dye (VBB)” in 2nd International Conference on Recent Research Development in Environment, Social Sciences and Humanities, during 6th August 2017.
11	Madhusudhan, N., Yogendra K. , Mahadevan K. M., Kiran, G.R., Santhosh, A.M. “A Study on Photocatalytic Degradation of Violet GL2B using Synthesized Metal oxide Nanoparticles” in International Conference on Environment, Health and Policy

	Nexus (ICEHPN-2017), during 27th and 28th July 2017.
12	Madhusudhana N., Yogendra K. , Mahadevan K.M., Santhosh, A.M. “Synthesis and Application o Complex Metal Oxide Nanoparticle to their Photocatalytic Decolourization of Violet GL2B Azo dye” in 10th International Conference on Recent Innovations in Science, Engineering and Management, during 7th July 2017.
13	Kiran G.R., Yogendra K. , Mahadevan K.M., Madhusudhana N., “Solar Phorocatalytic Decolorization of Direct Blue 14 Dye by using Synthesized SrO Nanoparticles” in 10th International Conference on Recent Innovations in Science, Engineering and Management, during 7th July 2017.
14	Santhosh A.M., Yogendra K. , Mahadevan K.M., Madhusudhana N., “Photodegradation of Congo red azo dye, a Carcinogenic Textile dye by using Synthesized Nickel Calciate Nanoparticles” in 4th International Conference on Latest Innovations in Science, Engineering and Management, 2017.
15	Shilpa G., Yogendra K. , Mahadevan K. M., “Synthesis on degradation adsorption and photocatalytic activity of ZnAl ₂ O ₄ for the treatment of azo dye such as Acid Red 88 (oral presentation) in 2nd International Conference on Environment and Ecology ICEE 2016, during 7-9th – march 2016.
16	Kiran G. R., Yogendra K. , Mahadevan K.M., Madhusudhana N., “Solar photocatalytic degradation of Direct Blue dye by using synthesized SrO Nanoparticles (Poster Presentation)” in International Conference on Science and Technology: Future challenges and Solutions-2016, during 8 – 9th – August 2016.
17	Yogendra K. , Bhavya C., Mahadevan K. M., Madhusudhana N., “Decolorization of synthetic Coralene Violet 3R and Disperse Blue 2BL azo dyes using photoactive Calcium Aluminate nanoparticle in presence of sunlight” in International conference on Advances in Science, Engineering, Technology and Natural Resources-2016, during 11-12th - May 2016
18	SuneelNaik., Yogendra K. , Mahadevan K.M., “The characteristics and photocatalytic activities of synthesized ZnO nano crystals against Coralene Red F3BS dye in presence of solar and UV radiations” in the International conference on recent advances in Materials Science held at KSHEC, Bangalore during 8-9 November 2012.
19	Yogendra K. , SuneelNaik., Mahadevan K.M., Madhusudhana N., “ZnO Composite mediated photocatalytic degradation of Coralene Red F3BS azo dye under natural sunlight” in 4th International Congress of Environmental Research held at SVNIT, Surat during December 15 to 17, 2011.
20	Yogendra K. , Mahadevan KM., Madhusudhana N., SuneelNaik., Photocatalytic

	decolourization of Coralene Dark Red 2B azo dye by using Calcium Zincate nanoparticles in presence of natural Sunlight, in the international conference of ICCCP-2011, held at Bangkok, Thailand, during May 27-28 2011.
21	Yogendra K. , Mahadevan K.M., SuneelNaik., Madhusudana N., 'Color Removal from aqueous solution containing Coralene Red F3BS dye by the photocatalytic decolorization using ZnO and Solar Light' in the International Conference on Environmental Pollution, Water Conservation and Health, held at Central Collage Campus, Bangalore. During July 29-31 2010.
22	Yogendra K. , Mahadevan K.M., SuneelNaik., Madhusudana N., 'Synthesis, characterization and photocatalytic activity of ZnO Nanoparticles against Coralene Red F-3BS disperse Azo dye." in the International Conference on Current Trends in Chemistry and Biochemistry-2009, Bangalore central collage campus, Bangalore. During December18-19 2009.
23	Yogendra K., Arpana P. Sharma., Puttaiah E.T., "Distribution of Allergenic Fungi in the ambient of Bhadravathi Town, Shimoga District, Karnataka state, India", in XXXII All India Botanical Conference And International Symposium on "Diversity of Plants and Microbes: Present Scenario, December 28-30, 2009.
24	Yogendra K. , Arpana P. Sharma., Puttaiah E.T., 'A study on the density and diversity of allergenic Fungi in the ambient air of Bhadravati Town, Shimoga District, Karnataka state, India' International symposium on 'Environmental Pollution Ecology and Human Health', held at S.V. University, Tirupati, Andhra Pradesh, July 25-27, 2009.
25	Yogendra K. , Puttaiah E.T., 'Determination of water quality index and suitability of an urban waterbody in Shimoga town, Karnataka' at an International conference-12th World Lake conference-TAAL-2007 organized by MOE&F. Govt. of India and ILEC, Japan, during October, 28-Nov.2, 2007.
26	Yogendra K. , Puttaiah E.T., 'A report on occurrence of Chlorococcales and Physico-chemical characteristics of certain lentic waterbodies of Shimoga, Karnataka State, India', Proceedings of International conference on 'Tropical Aquatic Ecosystem-Health Management and Conservation' Nainital, Uttarpradesh, India ,pp101,1999.

Research papers presented at National Conferences/Seminars(16)

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|---|---|
| 1 | Presented a paper in the National Conference on Environment, Health and Sustainable Dvelopment (EHSD) on "A study on photocatalytic degradation of CDR BEL using synthesized SrO nanoaprticles" on 5 th June, 2023 at University of Mysore, Karnataka. |
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- 2** Presented a paper in the National Conference on Advances in Biotechnology and nanotechnology “Photocatalytic Degradation study of Coralene blue BGFS azo dye by using Synthesized SrAl_2O_4 nanoparticles under UV light (254nm)” on 15th March 2023 at Karnatak University, Dharwad.
- 3** Presented a paper through video conference on the title “: PHOTO DEGRADATION OF CORALENE DARK RED 2B DYE BY USING SYNTHESIZED NANO PARTICLES UNDER UV LIGHT in proceedings of National conference on Advances in Science, Agriculture, Environmental & Biotechnology (NCASAEB), NEWDELHI, INDIA. held on 20th February 2022.
- 4** Presented a poster on Synthesis of Tetragonal Structured Zirconium Oxide Nanoparticle and its application to Decolourization of Acridine Orange Dye under Solar Light, in National Conference on Biodiversity Conservation- Recent Development and future strategies, organized by Dept. of P.G. Studies and Research in Wild Life Management, Kuvempu University, held on 16th and 17th November 2018.
- 5** Presented a poster on Decolourization of Victoria Blue B Dye by Using Synthesized Nano catalysts, in National Seminar on Recent Trends in Chemical Biology and Material Sciences, organized by Dept. of P.G. Studies and Research in Chemistry, Kuvempu University, P.G. Centre Kadur, held on 26th and 27th February 2018.
- 6** Presented a poster on Solar Photocatalytic degradation of Brilliant Blue R dye by using synthesized Nickel Calcite Nanoparticles, in Two days National conference on Recent Advances in Chemical Biology and Material Science for Industry and Society, organized by Dept. of P.G. Studies and Research in Industrial Chemistry, Kuvempu University, held on 9th to 10th February 2018.
- 7** Presented a poster on A Study on Photocatalytic Degradation of Violet GL2B using synthesized $\text{MgZnAl}_2\text{O}_5$ Nano-particle in UGC sponsored two-day National Conference on Recent advancements in Nano-Science and Technology in Government Science College, Chitradurga, on April 21st and 22nd 2017.
- 8** Presented a poster on Study on Photocatalytic Degradation on Black MSRL dye by using synthesized Nickel Calcite Nanoparticles in 9th KSTA Annual Conference on Science, Technology and Innovation in the 21st Century, Jointly organized by KSTA and Christ University held during 20th – 21st December 2016.
- 9** Presented a paper on A comparative study on photocatalytic degradation of textile effluent by using synthesized metal oxide Nano-particles, in the National Conference on Applications of Nanotechnology in Environmental Remediation in Tumkur University, Tumkur on 7th October 2015.
- 10** Presented a paper on Study on Photocatalytic Degradation of Coralene Red F3BS by using Synthesized Al_2O_3 Nanoparticle in the National conference on “Role of Science and Technology in Environmental Protection” in Deccan Environmental
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Research organization, Vijayapur on 29th December, 2015.

- 11** Presented a paper on “Synthesis of Calcium zincate nano-particle and its application for the degradation of Coralene Violet 3R azo dye” in the National conference on “Biotechnological Approaches for Sustainable Environmental Management” in KSHEC in association with Tumkur University, Bangalore on 22nd January 2013.
- 12** Presented a paper on “Photocatalytic degradation of Reactive yellow 84 by CaO and CaMgO₂ nanoparticles as an alternative catalyst” in the National conference on “Challenges and Opportunities for Chemical Sciences in 21st Century” in KSHEC in association with Tumkur University, Bangalore on 8th January 2013.
- 13** Presented a Paper on “Azo dye degradation using zinc oxide as photocatalyst assisted by solar radiation” in the National Conference on “Green technologies “Fight Pollution” in Acharya Institute of Technology, Bangalore on 4th and 5th April 2012.
- 14** Presented a Paper on “ZnO nanoparticle induced photocatalytic degradation of Coralene Red F3BS disperse azo dye in water in presence of solar radiation” In the National Conference on “Global Climate Change: Perspectives and Challenges” in Kuvempu university, March 24, 25 2011.
- 15** Presented a Paper on “A survey on asthmatic tendency in children of Bhadravati town, Karnataka.” In the National Conference on “Current trends in Environmental Science and Sustainable development” in Mysore university, During February 27, 28 2009.
- 16** Presented a Paper on “Distribution of Allergic Fungi in the ambient air of Bhadravati Town, Shimoga District, Karnataka State India.” In the International Symposium on “Diversity of Plants and Microbes”, in Kuvempu university, Shankaraghatta. During December 28-30 2009.

Organized Conference/Seminars/Workshops

- 1** Organised one-day workshop on “Eco-Awakening: Monitoring and Protecting the western Ghats Biodiversity” on 11th June 2024 at Dept. of Environmental Science, Kuvempu university on the occasion of World Environmental Day.
- 2** Organised one-day workshop on “Environment, Health and Safety (EHS) Tools for a Sustainable Future” conducted by Dept. of Environmental Science,

	Kuvempu University in association with Adani Power Limited, Udupi on 9 th May, 2024.
3	Organised a Programme “Campus Katte” for Dept. of Environmental Science students in association with Akashvani Bhadravati on Environmental Achievers on 28/03/2024.
4	Organised a One Day National seminar on “Green Solutions” Exploring Pollution Management Strategies at Dept. of Environmental Science, Kuvempu University, Shankaraghatta on 21st March 2024.
5	As the Organizing Secretary, has organized a one-day national seminar on “Environment and Health” at the Department of Environmental Science, Kuvempu University, Shankaraghatta, on 29 th march 2022.

Special Lectures delivered (02)

1	Delivered a Special Lecture on “Planet vs Plastics” at the National seminar on Earth day 2024. Organized by Dept. of Ecology and Environmental Science, Tumkur University, Tumkuru in association with jeevan jyothi rural development and self employment training institute, Tumakuru on 20 th and 21 st May 2024.
2	Delivered a Special Lecture on “Environmental Conservation How and Why...?” On Environmental Protection day Organized by Mangalore University, Dept. of Biosciences @ Webex & Youtube on 25 November 2022.

BOOKS WRITTEN:

Study materials (01)

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|----------|---|
| 1 | Yogendra K. and E.T.Puttaiah: “Ecotoxicology and Biostatistics” (M.Sc., in Environmental Science Under Distance Education Programme, published by Distance Education Council, Kuvempu University, (2004 -05) |
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Chapters contributed (02)

1 Contributed a chapter in collection of lecture on “Discovery and applications of innovative materials”, published by Karnataka state higher education Council during 2012.

2 Contributed a chapter in an E-Book of “TRENDS AND INNOVATION IN HEALTH, NUTRITION, FOOD, AND CROP SECURITY” published by ARCHERS AND ELEVATORS PUBLISHING HOUSE BANGALORE, KARNATAKA, INDIA, and Edited Book Compiled from Peer Reviewed Articles Submitted for the Second National Conference on “Trends and Innovation in Health, Nutrition, Food and Crop Security” Jointly Organized by Departments of Studies and Research in Biochemistry, Food and Nutrition, Biotechnology and Microbiology Tumkur University, Tumakuru on 21st to 23rd August 2023.

RESEARCH SUPERVISION

Post-Doctoral Research (PDF) (01)

	Name	Title	Year of Reg.
1	Dr. Madhusudhana N	Synthesis and application of metal oxide nanoparticles on the decolourization of industrial dyes and colored effluents	2014-2019

Ph.D. Awarded (11):

	Name of Students	Subject	Year of Reg.	Year of Award
1	Suneel Naik S	Synthesis of nanoparticles and dispersion on polymers for the photocatalytic degradation of textile azo dyes.	102/23-10-2008	26-12-2012
2	Madhusudhana N	Studies on photocatalytic degradation of Industrial dyes and colored Effluent	99/23-10-2008	05-08-2013

3	Gopalappa H	Synthesis and application of nanoparticles in the Catalytic degradation of water soluble dyes	100/23-10-2008	2013
4	Pradeep. S	Investigation on the bio-ecology and management of sugarcane woolly aphid (ceratovacuna lanigera zehntner homoptera: Aphididae) using its potential predators in bhadra command area.	148/06-10-2008	2013
5	Bhavya C	A study on degradation of textile dyes using metal oxide nanoparticles and their toxicity on cuprinus carpio	04(80)/24-04-2012	2019
6	Niranjana K S	A study on characterization of soils and assessment of soil quality index under major land use systems in hilly zone of Karnataka	42/12-12-2013	2020
7	Pushpa V	A study on biodegradation of industrial dyes using soil fungal isolates	38/12-12-2013	2020
8	Shilpa G	A study on synthesis of metal oxide Nanoparticles and its photocatalytic activity on industrial dyes	40/12-12-2013	2020
9	Santhosh A. M.	Studies on Photodegradation of Industrial Dyes: An approach on Identifying highly efficient metal oxide nanoparticles	343/15-03-2016	2022
10	Yathisha. N. S.	Chemical profiling of Environmentally sensitive resurrection of Selaginella Spp. to investigate their desiccation tolerance	331/ 26-02-2016	2022
11	Nagendra naik	Application of Barium oxide and its composite Nanoparticles in the	260/05-	2022

degradation of certain industrial
dyes

04-2015-

Research Guidance Detail (M.Phil): Awarded

Sl. No.	Name of Students	Title	Year of Reg.	Year of Award
1	Jagadesh D.	Photocatalytic Degradation of Methyl Red and Methyl Blue by using Titanium Dioxide (TiO ₂) and Zinc Oxide (ZnO)	2010	2011

Research Guidance Detail (Ph.D.): Presently Working

Sl. No.	Name of Students	Subject	Year of Reg.
1	Veena S R	Application of synthesized metal oxide nanoparticles on the degradation of textile dyes.	2020
2	Balachandra Hegde	Study of climate sensitivity and microclimate of vegetation functional clusters of central western ghats landscape.	2021
3	Shiva Naik H.	Photocatalytic application of ZnO, CaO, NiCaO ₂ , NiZnO ₂ and NiCaZnO ₃ of nanoparticle in Industrial dye degradation (Reg No: 215) 10-08-2023	2023
4	Pratibha T. Bhagawad	An Investigation on the Toxicity of selected nanoparticles CaAl ₂ O ₄ , CaZnO ₂ and CaMgO ₂ on <i>Eisenia foetida</i> (L) (Reg No: 212) 10-08-2023	2023

5	Rakshit Ganeshappa Hosamani	Temperature driven synthesis and characterization of metal oxide nanoparticles BaAl ₂ O ₄ and MgAl ₂ O ₄ using Urea and Acetamide and their application.(Reg No: 216) 10-08-2023	2023
6	Kallesh B. R.	Comparative Study on Green and Chemical Synthesis, Techniques of nanoparticles for evaluating their efficacy on dye degradation (Reg No: 214) 10-08-2023	2023
7	Sujeeth Kumar Dongre	Spatio temporal studies of Macro funal communities in cosatl rockpools of Goa. (Reg No: 217) 10-08-2023	2023
8	Prasad M. S.	A Study on enhanced Carbon capture performance of Carbon based matel oxide nano composites (Reg No: 213) 10-08-2023	2023

SCIENTIFIC SESSIONS CHAIRED (10)

1	Chaired a scientific session in International Conference on Future Environment Pollution Prevention (ICFEPP) held at Beijing, China on 21st to 23rd July 2019
2	Chaired a scientific session in the National Workshop on Biotechnology for conservation: The way forward held at Tumkur University on 30th November 2018.
3	Invented Speaker in International Conference on Science, Engineering and Technology held in Bangkok, Thailand on 5th and 6th March 2018.
4	Chaired a scientific session ISER International Conference on Science, Engineering and Technology held in Bangkok, Thailand on 5th and 6th March 2018.
5	Chaired a scientific session on Biotechnological solutions for sustainable Environmental Management in second National conference organized by Dept. of studies and research in Environmental Science, Tumkur University on 15th February 2018.

6	Co-Chaired the session on Global Warming Causes and Possible Consequences in International Conference on Environment, Health and Policy Nexus (ICEHPN-2017), 27th and 28th July 2017.
7	Chaired the session on “Technical presentation, recognition, and appreciation of research contributions” in the International Conference on Advance in Science, Engineering, Technology and Natural Resources (ICASETNR-16), Singapore 10th and 12th May 2016.
8	Delivered Invited Lecture on “Application of Nanotechnology in Environmental Science” in the National Conference on “Green technologies “Fight Pollution” in Acharya Institute of Technology, Bangalore on 4th and 5th April 2012.
9	Chaired the session on Environmental pollution and Ecotoxicology in the National Conference on “Green technologies “Fight Pollution” in Acharya Institute of Technology, Bangalore on 4th and 5th April 2012.
10	Chairperson in 4th International Congress of Environmental Research held at Sardar Vallabhbhai National institute of Technology Surat on 15-17 December 2011.

SEMINARS/SYMPOSIA/FACULTY DEVELOPMENT PROGRAMME/ WORKSHOPS ATTENDED (63)

1	Participated in five-day faculty development programme on “Agriculture, Environment and Climate Change” Organized by VHNSN College (Autonomous), Virudhunagar and PEARL – A foundation for Educational Excellence, Bengaluru from 20-07-2020 to 24-07-2020.
2	Participated in one day National Level Web Conference on Wild Life Conservation-Trends and Future Strategies, organized by Dept. of Wild Life and Management Kuvempu University, held on 14th and 15th July 2020.
3	Participated in Four Days Webinar on An Effective Research paper Writing Skills, organized by Bhagwan Mahavir University Gujarath, held on 13th to 16th April 2020.
4	Participated in “COVID-19 Awareness Quiz” Organized by Red Cross Unit, VSKU Post Graduate Centre, Nandihalli-Sandur, Ballari District, Karnataka.

5 Participated in Orientation Programme on Good English Communication Skill by using 1:16:896 Tools, organized by Kuvempu University, held on 26th June to 19th July 2019.

6 Participated in one week short term programme on Gender Sensitization, organized by the UGC-Human Resource Development Center, University of Mysore, Manasagangotri, Mysore, held on 16th to 22nd March 2018.

7 Participated in one day workshop on University Enterprise Architecture Framework (UEAF), organized by National Informatic center (NIC), Govt. of India and Karnataka Higher Education council, Govt. of Karnataka, Bangalore, held on 24th January 2018.

8 Participated in one-day State Level Seminar on Path to Entrepreneurship in Life Sciences, organized by Dept. of Microbiology, Kuvempu University held on 22nd February 2017.

9 Participated in One week workshop on Field Techniques and Scientific Approach in Wild Life Studies, Organized by Dept. of P.G. Studies and Research in Wild Life and Management Kuvempu University, and Nature Conservation Foundation, Bangalore, held on 13th to 18th March 2017.

10 Participated in One Day International Conference on Science and Technology for management of emerging Environmental Issues, Organized by Dept. of Environmental Science Bangalore University, in association with World Organization of students and youths held during 7th January 2017.

11 Participated in 9th KSTA Annual Conference on Science, Technology and Innovation in the 21st Century, Jointly organized by KSTA and Christ University held during 20th – 21st December 2016.

12 Participated State Level Seminar on Save Pond to Save Earth organized by Dept. of Environmental Science, Sahyadri Science College (Autonomous), Kuvempu University, Shankaraghatta, Shimoga on 22nd April 2016.

13 Participated in Higher Education Conclave organized by Dept. of P.G. Studies in Commerce, Kuvempu University, Shankaraghatta, Shimoga, 30th – 31st March 2016.

14 National Symposium on Current Trends in Biotechnology Research, organized by Dept. of P.G. Studies in Biotechnology and Bioinformatics, Kuvempu University, Shankaraghatta, Shimoga on 31st March 2016.

15 National Seminar on Advances and Challenges in Biological Research, organized by Dept. of P.G. Studies in Biochemistry, Kuvempu University, Shankaraghatta, Shimoga on 17th March 2016.

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- 16** State Level Seminar on Environment and Health organized by Dept. of P.G. Studies in Environmental Science, Kuvempu University, Shankaraghatta, Shimoga on 22nd March 2016.
- 17** One day seminar on Recent Trends on Environmental Science organized by Dept. of P.G. Studies in Environmental Science, Kuvempu University, Shankaraghatta, Shimoga on 20th July, 2015.
- 18** National conference on Earth Resources Assessment and management on 24th and 25th November 2015 organized by Dept. of Geology Kuvempu University.
- 19** Participated in U. G. C Sponsored refresher course in the subject Environmental Science from 25-1-2014 to 14-2-2014
- 20** National conference on Biodiversity Conservation and Sustainable management in Kuvempu University on 25th and 26th march 2014.
- 21** Presented a paper in National seminar on 'Sand Mining Impact on Environment', 22nd September, 2014, organized by Dept. of Environmental science, Tumkur University.
- 22** National Seminar on Pharmaceutical Chemistry and technology in P. G. Centre Kadur, Kuvempu University on 2nd may 2012.
- 23** Orientation program on Good Laboratory Practices organized by Regional Occupational Health Centre Bangalore from March 30th and 31st 2012.
- 24** National Conference on "Progress in Nanoscience and Technology" in Department of Nanotechnology, Kuvempu University, Shimoga during 5th and 6th May 2012.
- 25** National Conference on Current Issues of Western Ghats-Problems and Solutions in Kuvempu University during 21st and 22nd April, 2012.
- 26** Participated in Environmental Awareness Programme in Nittur Village Hosanagara Taluk, Shimoga District, Organized by Dept. of P. G. Studies and Research in Environmental science, Kuvempu University, Shankaraghatta on 14th and 15th April 2012.
- 27** National Conference on "Green technologies-Fight Pollution" in Acharya Institute of Technology, Bangalore on 4th and 5th April 2012.
- 28** National Workshop on Elements of Nanoscience and Technology organized by Dept. of Nanoscience and Technology Kuvempu University during 12th – 13th October 2012.
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- 29** 4th International Congress of Environmental Research held at SVNIT, Surat during December 15 to 17, 2011.
- 30** National Conference on “Global Climate Change: Perspectives and Challenges” in Kuvempu university, March 24, 25 2011.
- 31** Work shop on Computer hardware, trouble shooting and Open office, IMF centre, Kuvempu University, Shankaraghatta, July 16-17, 2011.
- 32** Work shop in Self Instructional Material, during 23rd – 24th April 2011 organized DDE Kuvempu University.
- 33** Work shop on Computer Hardware, open office and Linux for Research Networking organized by IMF centre Kuvempu University during 26th and 27th July 2011
- 34** Workshop on Environmental Impact Assessment, Bangkok, May 28, 2011.
- 35** National Seminar on Nuclear Energy and Environment, in Kuvempu University during 10th and 11th November 2011.
- 36** International conference on Chemistry and Chemical Processes-2011, Bangkok, May 27-29, 2011.
- 37** International conference on “Environmental Pollution, Water Conservation and Health” in Dept. of Zoology, Bangalore central college campus, Bangalore. During July 29, 30, 31 2010.
- 38** Symposium Lake: on Wetlands, Biodiversity and Climate Change, Organized by Indian Institute of Science Bangalore on 22nd – 24th December 2010.
- 39** National Symposium on Frontier Areas in Chemical Science and Nanotechnology, organized by Dept. of P.G. Studies in industrial Chemistry, Kuvempu University, Shankaraghatta, Shimoga on 1st and 2nd May 2010.
- 40** Presented paper in Environ Fest held at Kuvempu University, Shankaraghatta, Shimoga on 30th October 2009.
- 41** International Symposium on “Diversity of Plants and Microbes”, in Kuvempu University, Shankaraghatta. December 28-30 2009.
- 42** International Conference on Chemistry and Biochemistry-2009, Bangalore central college campus, Bangalore. December 18-19 2009.
- 43** International Conference on ‘Current Trends in Chemistry and Biochemistry-2009’, Bangalore central college campus, Bangalore. During December 18-19 2009.

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- 44** International Symposium on “Environmental Pollution ecology and human health ‘in Tirupathi, July 25-27 2009.
- 45** National seminar on ‘Current Trends in Environmental Science and Sustainable Developments-2009’ Mysore University, Mysore.during February 27-28 2009.
- 46** National Conference on “Current trends in Environmental Science and Sustainable development” in Mysore University, During February 27-28 2009.
- 47** Participated and Presented Article in 3rd Kannada Science Ceremony, Karnataka Science Congress, Kuvempu University, Shankaraghatta, Shimoga on 15th to 17th September 2007.
- 48** Participated in International seminar on “12th World Lake Conference - TAAL-2007” organized by MOE&F. Govt. of India and ILEC, Japan, during October, 28-Nov.2, 2007.
- 49** Participated in one-day seminar on “Emerging Areas in Analytical Chemistry” organized by Dept. of Chemistry, Kuvempu University, Shankaraghatta -2007.
- 50** Participated in National seminar on “Eco-tourism-Problems and Prospects”, December -1, 2007, held at Kuvempu University campus, organized by dept. of Post graduate studies and Research in Tourism Administration, Kuvempu University and Dept. of Tourism, Sahyadri Science college(Autonomous), Kuvempu University, Shankaraghatta – 577 451.
- 51** Participated a day workshop on “Water the Elixir of Life” organized by Dept. of Water Management and Water Harvesting Kuvempu University, Shankaraghatta on 31st July 2004.
- 52** Participated in International seminar on “Earth Resource Management” organized by Dept. of Geology, Kuvempu University, Shankaraghatta in association with Mineralogical Society of India, January, 28-30, 2004.
- 53** Participated in seminar on Scenario of Research and Business Opportunities in Medicinal and Aromatic Plants in 21stCentury, December 29 to 31, 2003, held at University campus, organized by dept. of Chemistry and Industrial Chemistry Kuvempu University, Shankaraghatta – 577 451.
- 54** Participated in one-day seminar on “Drinking Water Quality and Safety Management” organized by Dept. of Environmental science, Kuvempu University, Shankaraghatta during 31st March 2003.
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55 Attended a one-day seminar on 'Research Priorities in Environmental Science for 21stCentury', March 27 2002 organized by Dept. of Environmental science, Kuvempu University, Shankaraghatta.

56 Participated in one day workshop on "Chemistry for changing times", 8th February 2002, held at University campus, organized by dept. of Industrial Chemistry, Kuvempu University, Shankaraghatta – 577 451.

57 Attended a seminar on "Conservation of wetland ecosystems" January 2000, held at University campus, organized by Dept. of Environmental science, Kuvempu University, Shankaraghatta.

58 Participated in National seminar on "Conservation of Wetland Ecosystems", 2000, organized by Dept. of Environmental science, Kuvempu University, Shankaraghatta.

59 Participated in Workshop on "Keep Our Water Resources Clean", March 1999, organized by Dept. of Environmental Science, Kuvempu University, Shankaraghatta.

60 Participated in National seminar on "Environmental problems in Western Ghats", 25th and 26th November 1998, organized by Dept. of Environmental science, Kuvempu University, Shankaraghatta.

61 Participated in International conference on "Tropical Aquatic Ecosystem-Health Management and Conservation", 25-30 October 1999, organized by National Institute of Ecology, at Nainital, Uttar-Pradesh.

62 Participated in National seminar on 'Bioresource Management', 26th and 27th March 1998, organized by Dept. of Environmental science, Kuvempu University, Shankaraghatta.

63 Participated in National seminar on 'Integrated Environmental Research Programme on Kuppalli Bio- reserve', 26th December, 1997, organized by Dept. of Environmental science, Kuvempu University, Shankaraghatta.

MEMBERSHIPS (10)

1 Member, **India-UK Water Center.**

2 **Member,** Indian Academicians and Researchers Association

3 Member, the **Indian Science Congress Association,** Kolkata.

4	Member, Kannada Sahitya parishath , Karnataka 2016.
5	Member, International Institute of Chemical, Biological and Environmental Engineering(IICBE) Singapore,2016.
6	Member, Scientific Technical Committee and Editorial Board, International Scientific Academy of Engineering & Technology (ISAET) , 2015.
7	Member, Editorial Advisory Board , International Journal of Environmental Sciences and Research (IJESR), Global Scope Publishing Society, India. 2013.
8	Senior Member, Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES), Hongkong. 2012.
9	Associate Member, International Association for Ecology (INTECOL), Osnabrueck, Germany. 2008.
10	Member, National Institute of Ecology (NIE), Jaipur 2007.

Scientific Advisory Member (01)

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| 1 | International Journal of Environmental Health and Technology |
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Awards (03)

1	Received “Senior Scientist Award” for the presented Paper on “Azo dye degradation using zinc oxide as photocatalyst assisted by solar radiation” in the National Conference on Green technologies “Fight Pollution” in Acharya Institute of Technology, Bangalore on 4th and 5th April 2012 organized by Department of Biotechnology, Acharya Institute of Technology, Bangalore in collaboration with Pollution Control Board, Bangalore and Vishveshvarayya Institute of Technology, Belgaum.
2	Received ‘Sir. M. Visweswaraih Parisara Ratna-2009’ award by the Academy of Common Wealth Education and Humanities Studies, Karnataka in the year 2009.
3	Received “Best Researcher in Environmental Science” in the International Award Conference on Multidisciplinary Research and Latest Innovation in the year 2019.