



Dr. Madhusudhana N.

Curriculum Vitae

2013-Present working as a Guest Lecturer in the Department of P.G. studies and Research in Environmental Science, Kuvempu University, Shankaraghatta, Shimoga, India.

1. Name		Dr. MADHUSUDHANA N					
2. Telephone / Cell No.		+91-9945352191					
3. e-mail		madhubdvt@gmail.com					
4. Name of the Father		NARAYANAPPA R					
5. Name of the Mother		DHAKSHAYANAMMA M					
6. Address		Permanent			Postal		
		Dr. MADHUSUDHANA N SRI LAKSHMI NIVASA #137, SAHYADRI EXTENSION B H ROAD, LOWER HUTTA BHADRAVATI- 577301			Dr. MADHUSUDHANA N SRI LAKSHMI NIVASA #137, SAHYADRI EXTENSION B H ROAD, LOWER HUTTA BHADRAVATI- 577301		
7. Date of Birth		Date	Month	Year	Age Particulars		
		21	March	1982	Year	Month	
					42 years	03 months	
8. Male	Female	7. Mother Tongue					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Kannada					
9. Reservation Category		SC (ADHI KARNATAKA)					
10. Educational Qualifications :							
Examinations passed		Name of the Board/University	Year of passing	Max. Marks	Marks obtained	% age of Marks	
S.S.L.C		KSEEB	1997	625	394	63.04%	
M.Sc. Environmental Science (Water Management & Water Harvesting).		KUVEMPU UNIVERSITY	2006	2200	1761	80.04%	
M.Sc. Environmental Science		KARNATAK STATE OPEN UNIVERSITY	2014-2020	2000	1656	82.80%	
11. Area of Research Work		ENVIRONMENTAL CHEMISTRY					
12. Details of Research Degree	Name of the Award	Ph.D.,					
	Title of the Thesis	STUDIES ON PHOTOCATALYTIC DEGRADATION OF INDUSTRIAL DYES AND COLOURED EFFLUENTS					
	Date of	14-08-2013					

(Documents issued by the competent authority should be enclosed)	Awarding the degree				
	Name of the Board/ University	Kuvempu University Shankaraghatta Karnataka			
	If registration for Ph.D., was made before 2009.	Date of Reg: KU/AC/Ph.D-01(99):5951:2008-09 DATE:- 15-12-2008			
	If Ph.D., is awarded as per UGC Regulation issued in 2009.	COURSE WORK WAS ALSO DONE (MARKS CARD SHEET ATTACHED)			
13.Date of Passing of NET/SLET/JRF if any			NIL		
14.Teaching & Research Experience					
Institution/University	Period of Service with dates of durations			Designation and Scale of pay	Nature of service
	As	From	To		
Department of Environmental Science, Kuvempu University	Duration 04 years & 09 months 21 days	23-10-2008	14-08-2013	RGNF Research scholar/ 25000/-	Research scholar
Department of Environmental Science, Kuvempu University	09 months	September 2013	May 2014	18000/-	Guest Lecturer
15.Post-Doctral work /Experience	Duration 05 Yeas	28-07-2014	27-07-2019	Post Doctoral Fellow/ 46,500/-	Post Doctoral Fellow
Department of Environmental Science, Kuvempu University	Till date	August 2019	Till date	32,000/-	Guest Lecturer

+- 16.Other Details	Seminars attended	International – 00 National – 12 State Level – 05
	Conference attended	International – 16 National – 17
	Symposium attended	International – 01 National – 02 State – 01
	Workshops attended	International – 01 National – 04

	Number of Books published	Chapter in book-02
	Number of Research Articles published	55 published International – 51 National – 04
17. References		
Name of the Referee		ADDRESS:
1. Dr. Yogendra K Professor & Chairman		Department of Environmental Science, Kuvempu University
2. Dr. Hina Kousar Professor		Department of Environmental Science, Kuvempu University
3. Dr. Basavarajappa S.H. Assistant Professor		Department of Environmental Science, Kuvempu University
18. Co-curricular/awards	Young Scientist Award from Deccan Environmental Research Organisation (Regd), Vijayapur, Karnataka, held on 28th September, 2019.	
	Awarded Post-Doctoral Fellowship for SC/ST candidates from UGC, New-Delhi. No.F/PDFSS-2013-14-SC-KAR-5988 Date of reg:28-07-2014	
	Invited to talk in All India Radio/Doordarshan on my Ph.D., work during 08 th of December 2015	
	Young Researcher Award from Deccan Environmental Research Organisation, Vijayapur, Karnataka, held on 29th December, 2015.	
	Awarded Rajiv Gandhi National Fellowship (JRF 2008-2010 and SRF 2010-2013) from UGC. New Delhi, No. F-14-2(SC)/2008(SA-III) DATE: 30th March, 2009	

Research papers published

SL. NO.	Title with page No	Author as they appear	Journal Name ISSN/ISBN No
1	Investigation of bisindole linked pyrimidine moieties: synthesis using strontium aluminum supported strontium aluminate nanophosphors catalyst, DNA reactivity, and in silico molecular docking studies , Volume No:43, Issue No: 7, 2024 Pages: 1-18. (https://doi.org/10.1080/15257770.2024.2358901)	Hanumesh, M.K. Amshumali, P. Prachi, Yogendra, K. Madhusudhana N. and Vinay Kumar B.,	Nucleosides, Nucleotides & Nucleic Acids
2	Efficient photodegradation of Victoria Blue B and Acridine Orange dyes by nickel oxide nanoparticles, 2023 (https://doi.org/10.1016/j.matpr.2023.06.089)	Santhosh, A.M., Yogendra, K., Madhusudhana, N. , Mahadevan, K.M., and Veena S.R.,	Materials Today: Proceedings. Online ISSN: 2214-7853 Impact Factor: 2.59 Copyright © 2023 Elsevier Ltd. All

3	Photocatalytic Degradation study of Coralene blue BGFS azo dye by using Synthesized SrAl₂O₄ nanoparticles and UV light, Volume 03, Issue 01, 2023 Pages 259-268.	Madhusudhana, N., Yogendra, K., and Veena S.R.,	European Journal of Science, Innovation and Technology, ISSN: 2786-4936. SJ Impact Factor 2021 = 3.797
4	Photo Degradation of Coralene Dark Red 2b Dye by Using Synthesized Nano Particles under UV Light Volume 07, Issue 01, 2022, Pages 708-716.	Yogendra, K., and Madhusudhana, N.	Asian Journal of Organic & Medicinal Chemistry ISSN (Online): 2456-8937. Impact Factor: 1.08
5	Photocatalytic degradation of Coralene Red BEL dye by using synthesized Magenesium Zinc Aluminate nanoparticle under UV light Volume 08, Issue 04, 2022, Pages 183-192.	Madhusudhana, N., Yogendra, K., Veena S. R., and Varsha G. K.,	International Journal of Scientific Engineering and Applied Sciences (IJSEAS) ISSN: 2395-3470. Impact Factor: 6.471
6	Photocatalytic degradation of Coralene Yellow 7GD dye by using synthesized MgZnAl₂O₅ nanoparticle under UV light (254 nm) Volume 09, Issue 05, 2022, Pages 098-106.	Madhusudhana, N., Yogendra, K., and Yuvaraj,	International Journal of Innovative Science, Engineering & Technology (IJSET) ISSN (O): 2348-7968 Impact Factor: 6.72
7	A preliminary investigation on photocatalytic degradation of Coralene Blue BGFS dye by using synthesized Magnesium Zinc Aluminate nanoparticle in presence of UV light Volume 11, 2022, Pages 689-701.	Veena, S.R., Yogendra, K., Madhusudhana, N., Latha, C.	Journal of bio innovation ISSN - 2277-8330 SJIF Impact Factor: 6.72
8	Photocatalytic degradation of Victoria blue B a cationic dye by synthesised zinc oxide nanoparticle Volume 12, Issue 04, 2020, Pages 327-341.	Santhosh, A.M., Yogendra, K., Mahadevan, K.M., Mallikarjuna, I.H., and Madhusudhana, N.	International Journal of Nanoparticles ISSN (O): 1753-2515, ISSN (P): 1753-2507 Journal Impact Factor: 0.123
9	Photodegradation of Acid Red 88 and 7Direct Green 6 Dyes using prepared Nickel Oxide Nanoparticles Volume 40, Issue 11, 2020, Pages 1192-1197.	Shilpa, G., Yogendra, K., Mahadevan, K.M., Madhusudhana, N., and Santhosh, A.M.	Indian Journal of Environmental Protection ISSN: 0253-7141. Journal Impact Factor: 0.137
10	Synthesis of Efficient Calcium Silicate Catalyst for The Degradation of Acridine Orange and Victoria Blue B Dyes Volume 9, Issue 11, 2020, Pages 1-5.	Santhosh, A.M., Yogendra, K., Mahadevan, K.M., and Madhusudhana, N.	International Journal of Scientific & Technology Research ISSN: 2277-8616. Journal Impact Factor: 0.137
11	Application of synthesized tetragonal structured zirconium oxide nanoparticle on victoria blue B and acridine orange dye	Santhosh, A.M., Yogendra, K., Mahadevan, K.M., Madhusudhana, N.,	Journal of Physics: Conference Series, ISSN (P): 1742-6588. ISSN(O): 1742-6596

	1495, 2020, Pages 1-7. doi:10.1088/1742-6596/1495/1/012007		Journal Impact Factor: 0.21
12	Air Quality Index (AQI) in Bangalore, Karnataka, during 21 days of COVID-19 lockdown period - a preliminary study Volume 7, Issue 5, 2020, Pages 807-812.	Yogendra, K., Madhusudhana, N.,	Journal of Emerging Technologies and Innovative Research ISSN: 2349-5162 Impact Factor: 7.95
13	Application of Efficient Photocatalyst in the Degradation of Textile Dye Brilliant Blue R Volume 24, Issue 6, 2020, Pages 102-106.	Santhosh, A.M., Yogendra, K., Mahadevan, K.M., Madhusudhana, N.,	Research Journal of Chemistry and Environment ISSN: 0972-0626 Journal Impact Factor: 0.141
14	“Efficiency of Properties of Nickel Calcite Nanoparticle Synthesized by solution combustion method” Volume 5, Issue 9, 2018, Pages 273-278.	Santhosh, A.M., Yogendra, K., Mahadevan, K.M., Mallikarjuna, I.H., Madhusudhana, N.,	International Journal of Scientific Research in Physics and Applied Sciences ISSN: 2348-3423 Impact Factor: 1.320
15	“Comparative Study on Photocatalytic Degradation of Coomassie Brilliant Blue G Dye by using Nickel Calcite Nanoparticles” Volume 5, Issue 9, 2018, Pages 155-164.	Santhosh, A.M., Yogendra, K., Mahadevan, K.M., Mallikarjuna, I. H., Madhusudhana, N.,	Journal of Emerging Technologies and Innovative Research ISSN: 2349-5162 Global Impact Factor: 0.432
16	“Photocatalytic Degradation of Direct blue 14 in Sunlight/SrCaO₂ System”, Volume 5, Issue 9, 2018, Pages 273-278.	Kiran, G.R., Yogendra, K., Mahadevan, K.M., Madhusudhana, N., and Santhosh, A.M.,	Journal of Emerging Technologies and Innovative Research ISSN: 2349-5162 Global Impact Factor: 0.432
17	“A Comparative Study over Degradation of Direct Green 6 by using Synthesized Magnesium Aluminate and Magnesium Zincate Nanoparticles” Volume 7, Issue 6, 2018, Pages 12-18.	Shilpa, G., Yogendra, K., Mahadevan, K.M., Madhusudhana, N., and Santhosh, A.M.,	IOSR Journal of Applied Chemistry (IOSR-JAC) ISSN: 2278-5736 Global Impact Factor: Nil
18	“Study on Photocatalytic Degradation Violet GL2B Using Synthesized MgZnAl₂O₅ Nanoparticles” Volume 7, Issue 6, 2018, Pages 12-18.	Madhusudhana, N., Yogendra, K., Mahadevan, K.M.,	Journal of Applied Science and Computations ISSN: 1076-5131 Impact Factor: 5.8
19	“Application of Nickel Calcite Nanoparticle in the Photodegradation of Direct Green 6 Dye” Volume 7, Issue 6, 2018, Pages 12-18.	Santhosh, A.M., Yogendra, K., Mahadevan, K.M., Mallikarjuna, I. H., Madhusudhana, N.,	International Research Journal of Environmental Science ISSN: 2319 - 1414 Global Impact Factor: 0.675
20	“Acute toxicity test of synthesized calcium zincate nanoparticles in common carp Cyprinus carpio” Volume 6, Issue 3, 2018, Pages 267-271.	Bhavya, C., Yogendra, K., Mahadevan, K.M., Madhusudhana, N.,	International Journal of Fisheries and Aquatic Studies ISSN: 2347-5129 Global Impact Factor: 0.549
21	“Study on photocatalytic degradation of Violet GL2B by using synthesized MgZnAl₂O₅ nanoparticles” Volume 5, Issue 7, 2018, Pages 128-140.	N. Madhusudhana, K. Yogendra, K.M. Mahadevan,	Journal of Applied Science and Computations ISSN: 1076-5131 Impact Factor: 5.8

22	<p>“Solution combustion synthesis of Aluminium oxide nanoparticles by using fuel weed plant parthenium hysterophorus L and its antibacterial activity” Volume 7, Issue 5(D), 2018, Pages 12454-12457.</p>	<p>A. M. Santhosh, K. Yogendra, K.M. Mahadevan, A. M. Santhosh, K. K. Jayashree, N. Madhusudhana.,</p>	<p>International Journal of Current Advanced Research ISSN: O: 2319-6475, ISSN: P: 2319-6505, Impact Factor: 6.614</p>
23	<p>“Study on Photocatalytic Degradation of Coralene Red F3BS by using synthesized Al₂O₃ nanoparticles” Volume 6, Issue 1, 2018, Pages 29-37.</p>	<p>N. Madhusudhana, K. Yogendra, K.M. Mahadevan, A. M. Santhosh.,</p>	<p>AGU International Journal of Engineering and Technology e-ISSN: 2455-0442, p-ISSN: 2455-6734 Impact Factor: Nil</p>
24	<p>“Synthesis of ZnAl₂O₄ Nano-Particles and Its Application for Photo-Catalytic Decolourization of Model Azo Dye Acid Red 88 in Presence of Natural Sunlight” Volume 10, Issue 7, 2017, Pages 35-41.</p>	<p>G. Shilpa, K. Yogendra, K. M. Mahadevan, N. Madhusudhana.,</p>	<p>IOSR Journal of Applied Chemistry ISSN: 2278-5736 Global Impact Factor: Nil</p>
25	<p>“Synthesis and Application of Complex Metal Oxide nanoparticles to the Photocatalytic decolourization of Violet GL2B Azo dye” Volume 6, Issue 7, 2017, Pages 2319-8354.</p>	<p>N. Madhusudhana, K. Yogendra, K.M. Mahadevan, A. M. Santhosh.,</p>	<p>International Journal of Advance Research in Science and Engineering P-ISSN: 2319-8346 E-ISSN: 2319-8354 Impact Factor: 2.83</p>
26	<p>“Solar Photocatalytic decolourization of Direct blue 14 dye by using Synthesized SrO Nanoparticles” Volume 5, Issue 7, 2017, Pages 173-182.</p>	<p>G. R. Kiran, K. Yogendra, K.M. Mahadevan, N. Madhusudhana</p>	<p>International Journal of Advance Technology in Engineering and Science ISSN: 2348-7550 Global Impact Factor: 0.569</p>
27	<p>“Photodegradation of Congo Red azo dye, a Carcinogenic Textile dye by using synthesized Nickel Calcite Nanoparticles” Volume 6, Issue 7, 2017, Pages 51-64.</p>	<p>A. M. Santhosh, K. Yogendra, K.M. Mahadevan, N. Madhusudhana</p>	<p>International Journal of Advance Research in Science and Engineering P-ISSN: 2319-8346 E-ISSN: 2319-8354 Impact Factor: 2.83</p>
28	<p>“Application of Synthesized Nickle Calcite nanoparticles for the degradation of Black MSRL reactive dye” Volume 1, Issue 1, 2017, Pages 210-224.</p>	<p>A. M. Santhosh, K. Yogendra, K.M. Mahadevan, N. Madhusudhana</p>	<p>Science and Technology for Management of Emerging Environmental Issues ISBN: 978-81-921562-3.1 Global Impact Factor: Nil</p>
29	<p>“Photocatalytic Degradation of Violet GL2B using synthesized CaZnAl₂O₅ Metal Oxide nanoparticle” Volume 6, Issue 12, 2016, Pages 47-53.</p>	<p>N. Madhusudhana, K. Yogendra, K.M. Mahadevan, G.R. Kiran.,</p>	<p>Research Journal of Chemical Sciences E-ISSN 2231-606X Global Impact Factor: 0.654</p>
30	<p>Decolourization of synthetic Coralene Violet 3R and Disperse Blue 2BL azo dyes using photoactive Calcium Aluminate nanoparticle in presence of sunlight” Volume 3, Issue 1, 2016, Pages 108-112.</p>	<p>K. Yogendra, C. Bhavya, K.M. Mahadevan, N. Madhusudhana</p>	<p>International Journal of Advances in Chemical Engineering and Biological Sciences ISSN 2349-1507 EISSN 2349-1515 Global Impact Factor: Nil</p>

31	<p>“Synthesis of Calcium Oxide nanoparticles and its mortality study on fresh water fish Cyprinus Carpio” Volume 10, Issue 12, 2016, Pages 55-60.</p>	<p>C. Bhavya, K. Yogendra, K.M. Mahadevan, N. Madhusudhana</p>	<p>IOSR Journal of Environmental Science, Toxicology and Food Technology e-ISSN: 2319-2402 p- ISSN: 2319-2399 Global Impact Factor: Nil</p>
32	<p>“A Study on Photocatalytic Decolourization of Violet GL2B azo dye using two different synthesized nanoparticles CaZnO₂ against commercially available TiO₂” Volume 6, Issue 4, 2015, Pages 210-218.</p>	<p>N. Madhusudhana, K. Yogendra, K.M. Mahadevan.,</p>	<p>International Journal of Chemical and Environmental Engineering ISSN: 2078-0737 Global Impact Factor:0.654</p>
33	<p>“Synthesis and Characterization of Zinc Oxide (ZnO) Composite Nanoparticles and its efficiency in photocatalytic degradation of Red HRBL dye in Aqueous solution by Solar Radiation” Volume 4, Issue 4, 2015, Pages 188-194.</p>	<p>G. Shilpa, K. Yogendra, K.M. Mahadevan, N. Madhusudhana</p>	<p>International Journal of Environmental Sciences ISSN: 2277-1948 SJIF Impact Factor:4.183</p>
34	<p>“Photocatalytic Decolourization of Textile effluent by using synthesized nanoparticles” Volume 3, Issue 4, 2014, Pages 41-53.</p>	<p>N. Madhusudhana, K. Yogendra, K.M. Mahadevan.,</p>	<p>Journal of Environmental Nanotechnology ISSN: 2319-5541 Global Impact factor: 0.601</p>
35	<p>“A Comparative study on the textile effluent decolourization by using synthesized nano particle and procured nano particle” Volume 3, Issue 6, 2014, Pages 1-8.</p>	<p>N. Madhusudhana, K. Yogendra, K.M. Mahadevan.,</p>	<p>International Journal of Nano Studies & Technology ISSN: 2167-8685 Global Impact factor: 0.546</p>
36	<p>“Solar photocatalytic degradation of azo dye Brilliant Red in aqueous medium by synthesized CaMgO₂ nanoparticle as an alternative catalyst” Volume 3, Issue 1, 2014, Pages 232-239.</p>	<p>H. Gopalappa, K. Yogendra, K.M. Mahadevan, N. Madhusudhana</p>	<p>Chemical Science Transactions ISSN/E-ISSN: 2278- 458/2278-3318 Citation Factor: 0.980</p>
37	<p>“Photocatalytic decolourization of Textile effluent by using metal oxide nanoparticles” Volume 3, Issue 24, 2013, Pages 303-318.</p>	<p>N. Madhusudhana, K. Yogendra, K.M. Mahadevan.,</p>	<p>Journal of Science and Arts ISSN: 1844-9581 e-ISSN: 2068-3049 Global Impact Factor: 0.675</p>
38	<p>“A comparative study on Photocatalytic degradation of Violet GL2B azo dye using CaO and TiO₂ nanoparticles” Volume 2, Issue 5, October 2012, Pages 1300-1307.</p>	<p>N. Madhusudhana, K. Yogendra, K.M. Mahadevan.,</p>	<p>International Journal of Engineering Research and Applications ISSN: 2248-9622 Impact Factor: 5.179</p>
39	<p>“A comparative study on the solar photocatalytic degradation of Brilliant red azo dye by CaO and CaMgO₂ nanoparticles” Volume 1, Issue 2, September 2012, Pages 91-95.</p>	<p>H. Gopalappa, K. Yogendra, K.M. Mahadevan, N. Madhusudhana</p>	<p>International Journal of Science Research ISSN: 2319-7064 Global Impact Factor: Nil</p>
40	<p>“Solar Photocatalytic degradation of Orange G (mono azo dye) and C.I. Direct Yellow 50 (di azo dye) by synthesized CaZnO₂ nanoparticle in</p>	<p>H. Gopalappa, K. Yogendra, K.M. Mahadevan, N. Madhusudhana</p>	<p>International Journal of Universal Pharmacy and Life Sciences ISSN: 2249-6793</p>

	aqueous solution” Volume 2, Issue 4, August 2012, Pages 66-77.		Global Impact Factor: Nil
41	“Photocatalytic degradation of Violet GL2B azo dye by using Calcium aluminate nanoparticle in presence of solar light” Volume 2, Issue 5, May 2012, Pages 72-77.	N. Madhusudhana, K. Yogendra, K.M. Mahadevan.,	Research Journal Chemical Sciences ISSN: 2231-606X Global Impact Factor: 0.654
42	“Decolorization of Coralene Dark Red 2B azo dye using Calcium oxide nanoparticle as an adsorbent” Volume 2, Issue 2, April 2012, Pages 21-25.	N. Madhusudhana, K. Yogendra, K.M. Mahadevan.,	International Journal of Research in Chemistry and Environment ISSN: 2248-9649 Global Impact Factor: 0.654
43	“Photocatalytic degradation of Coralene Dark Red 2B azo dye using Calcium zincate as a nanoparticle in presence of natural sunlight: An aid to environmental remediation” Volume 2, Issue 4, August 2011, Pages 301-305.	N. Madhusudhana, K. Yogendra, K.M. Mahadevan, Suneel Naik.,	International Journal of Chemical Engineering and Applications ISSN: 2010-0221 Global Impact Factor: Nil
44	“Photocatalytic degradation of Coralene Dark Red 2B dye using Calcium aluminate (CaAl₂O₄) catalyst” Volume 6, Issue 3, June 2011, Pages 1-5.	N. Madhusudhana, K. Yogendra, K.M. Mahadevan, Suneel Naik, H. Gopalappa.,	Environmental Science: An Indian Journal ISSN: 0974-7451 Index Copernicus Value: 73.30 Journal Impact Factor: 0.45
45	“ZnO composite mediated photocatalytic decolourization of Coralene Red F3BS dye in presence of solar light” , Volume 7, Issue 5, June 2011, Pages 1-6.	Suneel Naik, K. Yogendra, K.M. Mahadevan, N. Madhusudhana	Materials Science: An Indian Journal ISSN: 0974-7486 Journal Impact Factor: 0.50
46	“A comparative study of photocatalytic activities of two different synthesized ZnO composites against Coralene Red F3BS dye in presence of natural solar light” Volume 1, Issue 1, 2011, Pages 11-15.	K. Yogendra, Suneel Naik, K.M. Mahadevan, N. Madhusudhana	International Journal of Environmental Sciences and Research Global Impact Factor: Nil
47	“Photocatalytic activity of synthetic ZnO composite against Coralene Red F3BS dye in presence of solar light” Volume 1, Issue 5, January 2011, Pages 839-846	K. Yogendra, K.M. Mahadevan, Suneel Naik, N. Madhusudhana	International Journal of Environmental Sciences ISSN: 0976-4402 Journal Impact Factor: Nil

Sl. No.	Research articles published in the proceedings of International Conference/Seminars (08)
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 Calcite 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.

Conferences/ Workshops

Sl. No.	Title	Author as they appear	Conference/ Workshop	Organizer
1	A study on photocatalytic degradation of CDR BEL using synthesized SrO nanoparticles	Madhusudhana N. , Yogendra K.,	National Conference on Environment, Health and Sustainable Dvelopment (EHSD)	University of Mysore, Karnataka. 5th June, 2023
2	Photocatalytic Degradation study of Coralene blue BGFS azo dye by using Synthesized SrAl₂O₄ nanoparticles under UV light (254nm)	Madhusudhana N. , Yogendra K.,	National Conference on Advances in Biotechnology and nanotechnology	Karnatak University, Dharwad. 15th March 2023

3	Photo Degradation of Coralene Dark RED 2B dye by using synthesized nano particles under UV light	Madhusudhana N., Yogendra K.,	proceedings of National conference on Advances in Science, Agriculture, Environmental & Biotechnology (NCASAEB)	NEWDELHI, INDIA. held on 20th February 2022
4	“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”	Yogendra K., Madhusudhana N.,	International E-Conference on Contemporary Trends in Management, Technology and Engineering during	Indian Academicians and Researchers Association on 18 th April 2020
5	“Study on photocatalytic degradation of textile effluent by using CaZnMgO₃ nanoparticles”	Madhusudhana N., Yogendra K., Mahadevan K.M., Santhosh, A.M.,	INDIAN SCIENCE CONGRESS Science &Technology: Rural Development	University of Agricultural Sciences, Bangalore 3-7 January, 2020
6	“Synthesis of Tetragonal Structured Zirconium Oxide Nanoparticle and its application to Decolourization of Acridine Orange Dye under Solar Light”	Santhosh, A.M., Yogendra K., Mahadevan K.M., Madhusudhana N.,	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 16 th and 17 th November 2018
7	“A Comparative Study in Photocatalytic Degradation of Comassie Brilliant Blue G Dye by using Nickel Calciate nanoparticles”	Madhusudhana N., Yogendra K., Mahadevan K.M.,	2 nd International Conference on Science, Technology & Management	Punjab University Campus, Chandigarh, India on 16 th September 2018.
8	“Synthesis and Application of NiCaO₂ Nanoparticles on the Photocatalytic Degradation of Direct Green 6Di-Azo Moiety Based Textile Dye”	Santhosh, A.M., Yogendra K., Mahadevan K.M., Madhusudhana N.,	proceedings of ISER 112 th International Conference	Bangkok, Thailand, 5 th and 6 th March 2018
9	“Application of Zinc oxide nanoparticles in the decolourization of Victoria Blue B dye”	Madhusudhana N., Santhosh, A.M., Yogendra K., Mahadevan K.M.,	International conference on nanomaterials and their application	University of Mysore, Mysuru, during 1 st and 2 nd March 2018.
10	“Synthesis and Characterization of SrCaO₂ and its Efficiency	Madhusudhana N., Kiran G.R., Yogendra K., Mahadevan K.M.,	National Seminar	P.G. Center and research in Chemistry, Kuvempu University, P.G. center Kadur on

	in Photocatalytic degradation of DB 14”			26 th and 27 th February 2018.
11	.., “A Study on Photocatalytic Degradation of Violet GL2B using Synthesized Metal oxide Nanoparticles (Poster Presentation)”	Madhusudhana N, Yogendra K., Mahadevan K. M., Kiran G. R., Santhosh, A. M.,	International Conference on Environment, Health and Policy Nexus (ICEHPN-2017),	27 th and 28 th July 2017 at JSS University Mysore.
12	“Synthesis and Application of Complex Metal Oxide Nanoparticle to their Photocatalytic Decolourization of Violet GL2B Azo dye”	Madhusudhana N., Yogendra K., Mahadevan K.M., Santhosh, A.M.	10 th International Conference on Recent Innovations in Science, Engineering and Management,	7 th July 2017 at Dhruva Institute of Engineering and Technology, Nalgonda, Telangana State.
13	“Photodegradation of Congo red azo dye, a Carcinogenic Textile dye by using Synthesized Nickel Calciate Nanoparticles”	Madhusudhana N., Yogendra K., Mahadevan K.M.,	4 th International Conference on Latest Innovations in Science, Engineering and Management	1 st July 2017 at The International Centre Goa, Dr. E Borges Road, Dona Paula, Panjim, Goa (India).
14	“Application of synthesized Nickel Calciate Nanoparticles for the Degradation of Black MSRL Reactive Dye”	Santhosh, A. M., Yogendra K., Mahadevan K. M., Madhusudhana N.,	one day international conference on Science and Technology for management of Emerging Environmental Issues,	7 th January 2017 at Bangalore University, Bangalore.
15	“study on photocatalytic degradation of violet GL2b using synthesized MgZnAl₂O₅ nanoparticles”	Madhusudhana N, Yogendra K, Mahadevan K M, Kiran G R, Santhosh A M.,	National conference on Recent Advancements in Nano-Science and Technology	21 st and 22 nd April 2017, at GFGC, Chitradurga
16	“Solar photocatalytic degradation of Direct Blue dye by using synthesized SrO Nanoparticles (Poster Presentation)”	Kiran, G. R., Yogendra K., Mahadevan K. M., Madhusudhana N.,	International Conference on Science and Technology: Future challenges and Solutions-2016	8 th – 9 th , August 2016
17	“study on photocatalytic degradation of violet GL2b dye by using synthesized MgZnAl₂O₅ nanoparticles”	Santhosh A. M. R., Yogendra K., Mahadevan K. M., Madhusudhana N.,	National Conference on Science and Technology	29 th March 2016 at AVK College for Women, Hassan, Karnataka.
18	“study on photocatalytic degradation of Coralene Red F3BS by using synthesized	Madhusudhana N., R., Yogendra K., Mahadevan K. M.,	National Conference on “Role of Science & Technology in Environmental Protection” NCRSTEP-2015	Deccan Environmental Research Organization Vijayapur, Karnataka held on 29 th Decenber, 2015

	Al₂O₃ nanoparticles”			
19	“Azo dye degradation using Zinc Oxide as photocatalyst assisted by solar irradiation”	Madhusudhana N, Yogendra K, Mahadevan K M, Suneel Naik	National Conference on Green Technologies “Fight pollution”	Acharya Institute of Technology, Bangalore during April 4 th to 5 th , 2012
20	“Photocatalytic Decolouration of Coralene Dark Red 2B azo dye by using Calcium Zincate nanoparticle in presence of natural sunlight,”	Madhusudhana N, Yogendra K, Mahadevan K M,	2011 International Conference on Chemistry and Chemical Processes	Bangkok, Thailand during May 28 th to 29 th , 2011
21	“Photocatalytic decolourization of Coralene Dark Red 2B azo dye by Calcium aluminate (CaAl₂O₄) nanoparticle under natural sunlight,”	Madhusudhana N, Yogendra K, Mahadevan K M, Suneel Naik	National Conference on Global climate change: Perspectives and Challenges	Kuvempu University, Shankaraghatta during March 23 rd to 24 th , 2011
22	“Synthesis, characterization and photocatalytic activity of ZnO nanoparticles against Coralene Red F3BS disperse azo dye,”	Madhusudhana N, Yogendra K, Mahadevan K M, Suneel Naik	Two day national symposium on Frontier areas in chemical Science and Nanotechnology	Kuvempu University, Shankaraghatta during May 1 st to 2 nd 2010

Conferences/Seminars/Symposia/Workshops attended

1	Participated in a 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	Participated in a 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, Udipi on 9 th May, 2024.
3	Participated in a One Day National seminar on “Green Solutions” Exploring Pollution Management Strategies at Dept. of Environmental Science, Kuvempu University, Shankaraghatta on 21 st March 2024.
4	Presented a paper in International Conference by, 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.
5	Participated in one day National Conference on Environment, Education, humanities, Commerce, Science & Technology, organized by DERO, Vijayapur, Karnataka Society for Environment & Sustainable Deveopment (SES), New Delhi held on 28 th September 2019
6	Presented a paper by 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.
7	Participated in a National Seminar on “Toolkit to Accelerate Research” held on 22-23 March 2019.
8	Participated and Presented a poster in an International Conference on Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC), held at Mysuru during 18 th to 20 th , March 2019.

9	Participated in two day National Conference on “Recent Advances in Chemical Biology and Material Science for Industry and Society” (RACBMS-2018) held on 9 th & 10 th February 2018 at Kuvempu University, Shankaraghatta, Shivamogga, Karnataka.
10	Participated in one day State level Seminar on “ Deforestation and its Impacts ”, organized Sahyadri Science College held on 16 th March 2017.
11	Participated in one day State level Seminar on Path to Entrepreneurship in Life Sciences , organized by Dept. of Microbiology, Kuvempu University held on 22 nd February 2017.
12	Participated in 9th KSTA Annual Conference on Science, Technology and Innovation in the 21st Century , Jointly organized by KSTA and Christ University held during 20 th – 21 st December 2016.
13	Participated in the State Level Seminar on Save Pond to Save Earth organized by Dept. of Environmental Science, Sahyadri Science College (Autonomous), Kuvempu University, Shankaraghatta, Shimoga on 22 nd April 2016.
14	Participated in the National Symposium on Current Trends in Biotechnology Research , organized by Dept. of P.G. Studies in Biotechnology and Bioinformatics, Kuvempu University, Shankaraghatta, Shimoga on 31 st March 2016.
15	State Level Seminar on Environment and Health organized by Dept. of P.G. Studies in Environmental Science, Kuvempu University, Shankaraghatta, Shimoga on 22 nd March 2016.
16	Participated in a National Seminar on “Earth Resources Assessment and Management (ERAM-2015)”. Organized at Dept. of Applied Geology, Kuvempu University, on 24 th & 25 th November 2015.
17	Participated and presented poster in a One-day national conference on “Applications of nanotechnology in Environmental Remediation” organized by Dept. of P.G. Studies and Research in Environmental Science Tumkur University, Tumakuru on 7 th October, 2015.
18	Participated in the One day seminar on Recent Trends on Environmental Science organized by Dept. of P.G. Studies in Environmental Science, Kuvempu University, Shankaraghatta, Shimoga on 20 th July, 2015.
19	Presented a paper in National seminar on “ Sand Mining Impact on Environment ”, 22 nd September, 2014, organized by Dept. of Environmental science, Tumkur University.
20	Participated in a Two-day national conference on Biodiversity Conservation and sustainable management (BCSM-2014) held on March 25 th and 26 th 2014 organized by Dept. of P.G. Studies and Research in Applied Zoology, Kuvempu University.
21	Participated in the UGC sponsored one day state level seminar on “ Energy Resources for Sustainable Development ” held at Sahyadri Science College Kuvempu University, Shimoga during Oct 29 th , 2013.
22	Participated in a One-day national conference on Challenges and Opportunities for Chemical Sciences in 21 st Century held at Karnataka State Higher Education Council, Palace Road, Bangalore on 8 th January, 2013.
23	Participated in the National workshop on “ Elements of Nanoscale & Technology ” held at Kuvempu University, Shankaraghatta during Oct 12 th to 13 th , 2012.
24	Participated in the National Seminar on “Progress in Nanoscience and Technology” Organized by Dept. of Nanoscience & Technology, Kuvempu University, on May 5 th & 6 th 2012.
25	Participated in the National Seminar on “Pharmaceutical Chemistry and Technology organized by Dept. of Pharmaceutical Chemistry, Kuvempu University on 02, May, 2012.
26	Participated in the National Seminar on “Current Issues of Western Ghats- Problems and Solutions” Organised by Dept. of P.G. studies in Research in Environmental Science, Kuvempu University. On 21 st & 22 nd April, 2012.
27	Participated in the National Seminar on “Progress in Biomedical Research and Its Impact on Human Health” Organised by Dept. of P.G. studies in Research in Biochemistry, Kuvempu University. on 2 nd & 3 rd April, 2012.
28	Participated in the Two-day National Seminar on “Role of Microbes: Past, Present and Future” Organised by Dept. of P.G. studies in Microbiology, Kuvempu University. on 28 th & 29 th March, 2012.
29	Participated in the 4 th International Congress of Environmental Research held at SVNIT, Surat during December 15 th to 17 th 2011.
30	Participated in the Two-day National Seminar on “Nuclear Energy & Environment” Organised by Dept of P.G. Studies and Research in Physics and Environmental Science, Kuvempu University on 10 th & 11 th November 2011.
31	Participated in the workshop on “ Environmental Impact Studies (EIA) and Sensitive Issues for Food & Chemical Industries ” held at Bangkok, Thailand during May 28 th to 29 th , 2011.

32	Participated in the One-day State Level Symposium on “Treatise on Contemporary Molecular Biology” Organised by Dept of P.G. Studies and Research in Biotechnology, Kuvempu University on 9 th May, 2011.
33	Participated in the Two-day National Seminar on “CMIDR-2011” Organised by Dept. of P.G. studies in Biochemistry, Kuvempu University. on 3 rd & 4 th May 2011.
34	Participated in the International conference on Environmental Pollution, Water conservation and Health held at Bangalore University, Bangalore during July 29 th to 31 st 2010.
35	Participated in the Two-day National Conference on Recent Trend in Chemical and Biological Sciences held at Dept. of P.G. Studies & Research in Chemistry during March, 30 th and 31 st 2010.
36	Participated in the Three-day International Symposium on “Diversity of Plants and Microbes: Present Scenario” held at Dept. of P.G. Studies & Research in Applied Botany during December, 28 th to 30 th December 2009.
37	Participated in the International Conference on Current Trends in Chemistry and Biochemistry held at Bangalore University, Bangalore during December, 18 th -19 th , 2009.
38	Participated in the Two-day Workshop on “Personality Development and How to Achieve Success” Organised by SC/ST Development Cell, Kuvempu University. on 19 th & 20 th May 2009.

Books/Chapters

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

Membership of professional Organization

1. Member of Indian Academicians and Researchers association in recognition of commitment to Educational Research and the objectives of the Association/ Membership no: M/M 1113
2. Life Member in “The Indian Science Congress Association”/ Membership no: L34650
3. Life Member in “Deccan Environmental research organization (regd)

I certify that the information furnished above is true to the best of my knowledge. I have enclosed the required documents as desired.

Place: **Shankaraghatta**

Date : 21/06/2024

(Dr. Madhusudhana N)