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| **RESUME**  **Dr. Deepali Marghade** | | | |
| Assistant Professor  Department of Applied Chemistry  Priyadarshini Institute of Engineering & Technology, Nagpur | 35-A, Telecom Nagar, Pratap Nagar, Nagpur - 440 022.  Phone: 9764002588, 9764105550  email: deepalichem@gmail.com |  |

**Summary**

A motivated, innovative and knowledgeable professional, having 16 years of teaching experience, driven to inspire students to pursue academic and personal excellence. Employ differentiated teaching methods, incorporating, audio and visual activities to address all learning styles. Proficient in developing new lessons and activities to expand learning opportunities. Exceptional track record of research success with multiple published articles (citations 514).

**Highlights**

* Accomplished researcher in Environmental field.
* Innovative thinker
* Curriculum development
* Challenged and motivated students through in-depth lectures and discussions
* Personable and Approachable
* Interpersonal Skills
* Reviewed indexed journal articles for potential publication
* Contributed to a learning culture by moderation and paper setting work, supporting local campus events such as orientation and graduation, and participating in various other workshops and meetings.

**Education Details**

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| **Qualification Details** | | | | | |
| **Exam Passed** | **Branch/ Specialization** | **Institution/ School & City** | **Board/**  **University** | **Year of Passing** | **%** |
| High School | -- | Govt Ahilya Ashram Girls H.S. school | Madhyamik Shiksha Mandal, Bhopal | 1989 | 62.9% |
| Higher Secondary | Biology stream | Govt Ahilya Ashram Girls H.S. school | Madhyamik Shiksha Mandal, Bhopal | 1991 | 69.0% |
| Graduation |  | P.M.B. Gujarati Science College, Indore | Devi Ahilya Vishwavidhalaya, Indore | 1994 | 68.5% |
| Post Graduation | Physical Chemistry | P.M.B. Gujarati Science College, Indore | Devi Ahilya Vishwavidhalaya, Indore | 1996 | 66.2% |
| Ph.D | Chemistry | Laxminarayan Institute of Engineering and Technology, Nagpur | RTM Nagpur University, Nagpur | 2011 | -- |

**Work Experience:** 21 years

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| **S. No.** | **Name of Organisation** | **Post Held** | **Period** | | **Job Details (Duties, Roles & Responsibilities)** |
| **From** | **To** |
| 1. | Priyadarshini College of Engineering, Nagpur\* | Assistant Professor | 1st Sept 2021 | Till date | Teaching Engineering and B.Tech Courses, All teaching and administration related work |
| 2. | Priyadarshini Institute of Engineering and Technology, Nagpur | Assistant Professor | 21st July 2014 | 31st August 2021 | Teaching Engineering Course, All teaching and administration related work |
| 3. | Priyadarshini Indira Gandhi College, Nagpur | Assistant Professor (Adhoc) | 9th August 2011 | 19th July 2014 | Teaching Engineering Course, All teaching and administration related work |
| 4. | G.H. Raisoni Academy of Engineering & Technology, | Assistant Professor (Adhoc) | 8th July 2010 | 30th April 2011 | Teaching Engineering Course, All teaching and administration related work |
| 5. | SVSS College of Engineering & Research, Hingna Road, Nagpur | Assistant Professor (Adhoc) | 3th Aug 2009 | 21st May 2010 | Teaching Engineering Course, All teaching and administration related work |
| 6 | Post graduate Department of Chemistry, Shivaji Science College, Congress Nagar, Nagpur | Lecturer (Adhoc) | 2005 | 2008 | Teaching M.Sc. Chemistry Course, All teaching and administration related work |
| 7. | Apeksha Research Centre, Indore | R & D Scientist | 28th June1996 | 7th Oct 2001 | Research work, of synthesis of drugs of clinical importance like Vitamin E Acetate, Enalapril Maleate, Flucnazole & many Intermediates through eco-friendly route |

***\*(Note: After merging of Priyadarshini College of Engineering and Priyadarshini Institute of Engineering & Technology on 31/8/2021, shifted to Priyadarshini College of Engineering)***

**Subject Taught**

1. **Basic Chemistry:** (B.Sc.) Physical Chemistry, (M.Sc.) Physical Chemistry, Spectroscopy, Analytical Chemistry
2. **Applied Chemistry:** (B.Tech.) Applied Physical Chemistry I & II; (B.E.) Engineering & Material Chemistry.

**Research Interest**

Synthesis of new materials and development of new techniques for removal pollutants like fluoride, nitrate, arsenic, heavy metals etc. from water.

**Research Experience**

***Post Ph.D. Research***

* Working on removal of pollutant from drinking water by using Biomass carbon.
* Working in field of hydrogeochemistry of groundwater, geochemical modeling etc.
* Development of smart systems for geochemical characterization of groundwater.
* Worked as a Co-investigator in Research project sanctioned by UGC on “Potential Fluorosis Problem in Wani area of Yavtmal District, Maharashtra its Geochemistry, Genesis and Health Implications. Total grant Rs. 9,61,000 /- Duration 3 years (1/7/2012 to 1/7/2015)

***Doctoral Research***

Department of Chemistry, Laxminarayan Institute of Technology, Rahtasant Tukadoji Maharaj Nagpur University, Nagpur

* Assess and evaluate the impact of urbanization & onsite sanitary condition on the groundwater quality
* Evolutionary trend of groundwater located within different lithological domains.
* Identification of geochemical processes that control the groundwater quality.
* Hydrochemical Facies.

**List of Publications**

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| --- | --- |
| Total Publications:**55**  h-index: **14** i-10 index: **15 Total Citations: 704** | |
| **In International Journal: 21** **Citations: 696** | |
| **1.** | Deepali Marghade, Deepak. B. Malpe, Karunanidhi Duraisamy, Pravin D. Patil, Peiyue Li (2020) Hydrogeochemical evaluation, suitability, and health risk assessment of groundwater in the watershed of Godavari basin, Maharashtra, Central India, Environmental Science and Pollution Research ,**28**, pages18471–18494 (2021) https://doi.org/10.1007/s11356-020-10032-7 **Impact factor: 4.223 Citation:33** Electronic ISSN 1614-7499 Print ISSN 0944-1344 |
| **2.** | V.P. Nawale, D.B. Malpe, **Deepali Marghade,** Rajshree Yenkie (2021) Non-carcinogenic health risk assessment with source identification of nitrate and fluoride polluted groundwater of Wardha sub-basin, central India, Ecotoxicology and Environmental Safety, 208, 111548 **Impact factor:6.291, Citation:19** ISSN: 0147-6513 |
| **3.** | Karunanidhi D., Aravinthasamy P**., Deepali M.,** [T. Subramani](https://link.springer.com/article/10.1007/s10653-020-00676-2#auth-T_-Subramani) & [Emmanuel Daanoba Sunkari](https://link.springer.com/article/10.1007/s10653-020-00676-2#auth-Emmanuel_Daanoba-Sunkari)  (2020) Appraisal of geochemical evolution of groundwater in a geologically heterogeneous semi-arid region of south India based on mass transfer and fuzzy comprehensive modelling, Environmental Geochemistry and health Journal, **43**, pages1009–1028 (2021) Springer,https://doi.org/10.1007/s10653-020-00676-2(0123456789 **Impact factor: 4.609. Citation:12** Electronic ISSN 1573-2983 Print ISSN0269-4042 |
| **4.** | Aravinthasamy P, Karunanidhi D., **Deepali Marghade**, Subramani T., Shankar K (2020) Groundwater Pollution and Human Health Risks in an Industrialized Region of Southern India: Impacts of the COVID‑19 Lockdown and the Monsoon Seasonal Cycles, Archives of Environmental Contamination and Toxicology **80**, pages 259–276 (2021) <https://doi.org/10.1007/s00244-020-00797-w>  **Impact factor: 2.804. Citation:27** Electronic ISSN 1432-0703 Print ISSN0090-4341 |
| **5.** | **Deepali Marghade** (2020) Detailed Geochemical assessment & indexing of shallow groundwater resources in metropolitan city of Eastern Maharashtra, India with potential health risk assessment of nitrate enriched groundwater for sustainable development, Geochemistry [Volume 80, Issue 4, Supplement](https://www.sciencedirect.com/science/journal/00092819/80/4/supp/S), December 2020, 125627. <https://doi.org/10.1016/j.chemer.2020.125627> **Impact factor: 2.29 Citation:23** ISSN: 0009-2819 |
| **6.** | D. Karunanidhi, P. Aravinthasamy, **M. Deepali**, T. Subramani, Barbara C. Bellows, Peiyue Li. (2020) Groundwater quality evolution based on geochemical modelling and aptness testing for ingestion using entropy water quality and total hazard indexes in an urban-industrial area (Tiruppur) of Southern India. Environmental Science and Pollution Research, **28**, pages18523–18538 (2021),  https://doi.org/10.1007/s11356-020-10724-0 **Impact factor: 4.223 Citation:19** Electronic ISSN 1614-7499 Print ISSN 0944-1344 |
| **7.** | Amol A. Bhusari , Bidyut Mazumdar , Dr. Ajit P. Rathod & **Deepali Marghade** (2020) Catalytic aspect of biomass in microcontroller assisted Esterification, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, <https://doi.org/10.1080/15567036.2020.1803452>. **Impact factor: 3.447** Print ISSN: 1556-7036 Online ISSN: 1556-7230 |
| **8.** | **Deepali Marghade,** Vaidya A., Yenkie M. N. K., Pokale W. K. (2020) Feasibility study of UV assisted different heterogenous Photo-Catalytic methods for degradation of 2-Nitrophenol in aqueous phase, Material Today: Proceeding. Elsevier DOI: [10.1016/j.matpr.2020.05.400](https://www.researchgate.net/deref/http%3A%2F%2Fdx.doi.org%2F10.1016%2Fj.matpr.2020.05.400) **Citation:1** ISSN: 2214-7853 |
| **9.** | Karunanidhi D., Aravinthasamy P., **Deepali M.,** Subramani T., Priyadarsi D. Roy (2020) The effects of geochemical processes on groundwater chemistry and the health risks associated with fluoride intake in a semi-arid region of South India, RSC Adv., 2020, 10, 4840. **Impact factor: 3.36 Citation:36** ISSN 2046-2069 |
| **10.** | **Deepali Marghade,** Deepak B. Malpe, N. Subba Rao (2019), Application of Geochemical and multivariate stastistical approaches for the evaluation of groundwater quality and human health risks in a semi-arid region of eastern Maharashtra, India, Environmental Geochemistry and health Journal, **43**, pages 683–703 (2021) **Impact factor: 4.609. Citation:30** Electronic ISSN 1573-2983 Print ISSN0269-4042 |
| **11.** | **Deepali Marghade,** Deepak B. Malpe, N. Subba Rao, B. Sunitha (2020), Geochemical Assessment of Fluoride Enriched Groundwater and health implications from a part of Yavtmal District, India, Human and Ecological Risk Assessment Journal, 26(3), 673-694, Taylor and Francis, 1-22, **Impact factor: 5.190. Citation:39** Print ISSN: 1080-7039 Online ISSN: 1549-7860 |
| **12.** | S.U. Bhonsule, **Deepali Marghade**, S.P.Wankhede (2019) Concentration Quenching and Luminescence Decay in Yb3+ doped Cerium Tri-metaphosphate, Materials Today: Proceedings 15 (2019) 626–632 Elsevier ISSN: 2214-7853 |
| **13.** | Subba Rao N., Sunitha B. · Rambabu R, Nageswara Rao P. V., Surya Rao P, Deepthi Spandana B., Sravanthi M**., Deepali Marghade** (2018), Quality and degree of pollution in groundwater, using PIG from a rural part of Telangana State, India. Applied Water Science (2018) 8:227, https://doi.org/10.1007/s13201-018-0864-x **Impact factor: 3.874, Citation:59** Electronic ISSN2190-5495 |
| **14.** | N. Subba Rao, **Deepali Marghade**, A. Dinakar, Chandana, Sunitha, B. Ravindra, T. Balaji (2017) [Geochemical characteristics and controlling factors of chemical composition of groundwater in a part of Guntur district, Andhra Pradesh, India](javascript:void(0)), Environ Earth Sci 76, 747, DOI 10.1007/s12665-017-7093-8 (Springer-verlag) **Impact factor: 2.784 Citation: 100 Electronic ISSN** 1866-6299 **Print ISSN** 1866-6280 |
| **15.** | N. Subba Rao, PS Rao, A Dinakar, PVN Rao, **Deepali** **Marghade** (2017) Fluoride Occurrence in the groundwater in a coastal region of Andhra Pradesh, India. Applied Water Science, 7 (3), 1467-1478, DOI 10.1007/s13201-015-0338-3. (Springer-verlag) **Impact factor: 3.874, Citation: 52** Electronic ISSN2190-5495 |
| **16.** | 1. **Deepali Marghade,** D.B. Malpe, N. Subba Rao (2015) Identification of Controlling processes of groundwater quality in a developing urban area using Principal Component analysis. Environmental Earth Sciences. V.74, pp. 5919-5933. (Springer-verlag, ISSN: 1866-6280) **Impact factor: 2.784, Citation: 39** Electronic ISSN 1866-6299 Print ISSN1866-6280 |
| **17.** | **Deepali Marghade**, D.B. Malpe, A.B. Zade (2012) Major ion chemistry of shallow groundwater fast growing city of central India. Environmental Monitoring and Assessment, V.84 (4), pp.2405-2418. doi: 10.1007/s10661-011-2126-3. (Springer-verlag, ISSN: 0167-6369**) Impact factor: 2.513, Citation:117** Electronic ISSN 1573-2959 Print ISSN0167-6369 |
| **18.** | **Deepali Marghade**, D.B. Malpe, A.B. Zade (2012) Groundwater Quality and Nitrate Contamination in Pili River area of Nagpur Urban, Central India. Memoir Geological Society of India, No.80, 189-206 (ISSN: 0016-7622) |
| **19.** | 1. P. Raja, D.B. Malpe, **Deepali Marghade**, B.P. Bhaskar (2012) Hydrogeochemical Characterization of Groundwater for Irrigation in Purna Basin, Maharashtra, India, Memoir Geological Society of India, No.80, 167-184 (ISSN: 0016-7622). |
| **20.** | **Deepali Marghade**, D.B. Malpe, A.B. Zade (2011) Geochemical characterisation of groundwater from northeastern part of Nagpur urban, Central India. Environmental Earth Sciences, V. 62, pp. 1419-1430. doi: 10.1007/s12665-010-0627-y. (Springer-Verlag, ISSN: 1866-6280) **Impact Factor :2.7894, Citation: 84** Electronic ISSN 1866-6299 Print ISSN1866-6280 |
| **21.** | **Deepali Marghade**, D.B. Malpe, A.B. Zade (2010) Assessment of groundwater quality in landfill area of Nagpur city, central India. Journal of Environmental hydrology. Paper 18 Volume 18, (USApp 1-8,IEAH, San Antonio, USA. ISSN 1058-3912) **Impact Factor: 0.4, Citation: 6** ISSN 1058-3912 |
| **National Journal : 07 Citation: 7** | |
| **1.** | S. U. Bhonsule and **Deepali Marghade** (2017) Energy Transfer And Photoluminescence Study Of Lanthanide Ions Dopedmetaphosphate Ce(PO3)3, Bionano Frontiers Vol. 10(2). |
| **2.** | S. U. Bhonsule and **Deepali Marghade** (2016) Study of luminescence in cerium metaphosphates, International Journal of Novel Research in Engineering, Science and Technology, Vol. 1. |
| **3.** | **Deepali Marghade**, S. U. Bhonsule (2015) Removal of Heavy Metals and Denitrification of groundwater by Zerovalent Iron Nanoparticles. International Journal of Emerging Trend in Engineering and Basic Sciences, Vol. 2, Issue 2, 481-484, ISSN (Online) 2349-6967. |
| **4.** | **Deepali Marghade**, D.B. Malpe (2015), Appraisal of Effect of Anthropogenic Sources On Hydrochemistry of Groundwater of Slum Areas of Nagpur City, India, Journal of Applied Geochemistry, Vol. 17, issue 1, 86-98, ISSN: 0972-1967. **Citation: 1** |
| **5.** | **Deepali Marghade**, D.B. Malpe (2015), Assessment of extent and variability of Nitrate contamination in shallow and deep aquifers. Journal of Applied Geochemistry, Vol. 16, issue 1, 45, ISSN: 0972-1967. **Citation: 6** |
| **6.** | Biswajit Hazarika, D.B. Malpe, **Deepali Marghade (**2014), Morphometric analysis of watershed of Wani Area. Gondawana Geological Magazine, Vol.14, 77, ISSN 0970-261X. |
| **7.** | **Deepali Marghade**, S. U. Bhonsule **(**2014), Application of new emerging Nano dimensional materials for defluoridation of water, International Journal of Researches in Biosciences, Agriculture and Technology, Vol.1, issue 2, 692-701, 2014, ISSN No. 2347-517X. |
|  | **Chapter in International Book : 06 Citation: 1** |
| **1.** | **Deepali Marghade**, D.B. Malpe, A.B. Zade (2011) Impact of urbanization on groundwater Quality: A case sturdy from fast growing city of central India. (Book Chapter) In: Elen Turunen and Anton Koskinen (Eds.) Urbanization and the Global Environment. ISBN: 978-1-61470-288-7, Nova Publisher, Inc. 400 Oser Avenue, Suite 1600 Hauppauge, NY 11788UK. |
| **2.** | **Marghade D.T.,** Chahande A.D., Tiwari M.S., Patil P.D. (2021) Microbial Degradation of Xenobiotic Compounds. In: Inamuddin ., Ahamed M.I., Prasad R. (eds) Recent Advances in Microbial Degradation. Environmental and Microbial Biotechnology. Springer, Singapore. https://doi.org/10.1007/978-981-16-0518-5\_7. [08 July 2021](https://link.springer.com/chapter/10.1007/978-981-16-0518-5_7#chapter-info), Print ISBN978-981-16-0517-8, Online ISBN978-981-16-0518-5. |
| **3.** | Patil P.D., Chahande A.D., **Marghade D.T.,** Bhange V.P., Tiwari M.S. (2022) Enzymatic CO2 Conversion. In: Inamuddin, Boddula R., Ahamed M.I., Khan A. (eds) Carbon Dioxide Utilization to Sustainable Energy and Fuels. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham. <https://doi.org/10.1007/978-3-030-72877-9_5>, [30 November 2021](https://link.springer.com/chapter/10.1007/978-3-030-72877-9_5#chapter-info), Print ISBN978-3-030-72876-2, Online ISBN978-3-030-72877-9. |
| **4.** | * Patil P.D., Nadar S.S., Marghade D.T. (2021) Photo-Enzymatic Green Synthesis: The Potential of Combining Photo-Catalysis and Enzymes. In: Inamuddin, Boddula R., Ahamed M.I., Khan A. (eds) Advances in Green Synthesis. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham. https://doi.org/10.1007/978-3-030-67884-5\_9, [19 May 2021](https://link.springer.com/chapter/10.1007/978-3-030-67884-5_9#chapter-info), Print ISBN 978-3-030-67883-8, Online ISBN978-3-030-67884-5 |
| **5.** | Patil P.D., Tiwari M.S., Bhange V.P., Marghade D.T., Kumaran S. (2021) Bioconversion of Lignocellulosic Residues into Hydrogen. In: Inamuddin, Khan A. (eds) Sustainable Bioconversion of Waste to Value Added Products. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham. https://doi.org/10.1007/978-3-030-61837-7\_4, [21 April 2021](https://link.springer.com/chapter/10.1007/978-3-030-61837-7_4#chapter-info), Print ISBN 978-3-030-61836-0, Online ISBN978-3-030-61837-7,  **Citation: 01** |
| **6.** | Yenkie R., Malpe D., **Marghade D.,** Meshram D., Hazarika B. (2022) Evaluation of Groundwater Quality in Rural Part of Central India with Special Emphasis on Fluoride Concentration. In: Chenchouni H. et al. (eds) New Prospects in Environmental Geosciences and Hydrogeosciences. CAJG 2019. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham. <https://doi.org/10.1007/978-3-030-72543-3_125>, [01 January 2022](https://link.springer.com/chapter/10.1007/978-3-030-72543-3_125#chapter-info), Print ISBN: 978-3-030-72542-6, Electronic ISBN: 978-3-030-72543-3 |
| **Book Published: 02** | |
| **1.** | A Text Book of Engg. Chemistry for B.E. first semester, Das Ganu Publisher (2012) ISBN-978-93-81660-50-8 |
| **2.** | A Text Book of Material Chemistry for B.E Second semester, Das Ganu Publisher (2012) ISBN-978-93-81660-55-3 |
| **Conference Papers** | |
| Sr. No. | Author(s), Title, Publisher, Year, Page No, Details of Conference |
|  | **International Conferences: 06** |
| **1.** | Deepali Marghade, Pravin D. Patil, Manishkumar S. Tiwari, R. M. Pethe (2021) An Integrated Multivariate Statistical Approach for the Assessment of Impact of Natural and Anthropogenic on Groundwater Quality with Potential Health Risks in Deep Groundwater of Rapidly Growing City of India, international Conference on Recent Advances in Water Science and Technology (ICRAWST-2021 scheduled on 02-03 December, 2021 Sri Shakthi Institute of Engineering and Technology | Coimbatore 641062 | India. |
| **2.** | Bhonsule S. U., **Deepali Marghade** and S. P. Wankhede (2018) Concentration Quenching and Luminescence Decay in Yb3+ doped Cerium Tri-metaphosphate, International Conference on Mutifunctional Advanced Materials ICMAM-2018, 5-7th Oct 2018 organized by Kamla Nehru Mahavidyalaya, Nagpur |
| **3.** | **Deepali Marghade** and S. U. Bhonsule, (2015), Application of Nano Material for Removal of Arsenic From Drinking Water, international conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences ICFM-2015, Feb 5th – 7th, pp. 198-199, Nagpur |
| **4.** | P. Raja, D.B. Malpe, **Deepali Marghade** (2014), Chemical evolution & origin of salinity in groundwater of Purna river basin, Central India, International Symposiunm on International Water resources Management (IWRM-14), Kozhikoda, Kerala, India. |
| **5.** | **Deepali Marghade**, D.B. Malpe (2012) Appraisal of Effect of Onsite Sanitation on groundwater quality in slums: A major challenge in developing country, International conference on Recent Developments in Environmental Impact Assessment & Integrated Approach for Carbon Management- Solutions, Technology Development and Pollution Abatement, March 28-30 2012 at CSIR-NEERI, Nagpur. |
| **6.** | Kolarkar A., **Deepali Marghade**, Vaishnav S.R. (2011) Green House electricity Generator: A sustainable approach for Electricity Generator” at International conference on Chemistry for Mankind: Innovative ideas in Life Sciences (ICCM-2011), 10-12th Feb. 2011 Nagpur. |
| **7.** | **Deepali Marghade**, D.B. Malpe, A.B. Zade (2011) Groundwater quality of shallow and deep aquifers of slums of Nagpur city” at International conference on Chemistry for Mankind: Innovative ideas in Life Sciences (ICCM-2011), 10-12th Feb. 2011 Nagpur. |
| **National Conferences: 13** | |
| **1.** | Bhonsule S. U., Deepali Marghade, S. P. Wankhede and S.V. Moharil (2016) Study of Luminescene in Cerium Metaphosphates, National Conference on Advanced Technology, NCOAT-NIRMITI-2016, held at PIET, 11 & 12th March-16 |
| **2.** | Deepali Marghade and S. U. Bhonsule, (2013) Zerovalent Iron Nanoparticles for removal of Nitrate from water, National Conference, Recent Development in Eco-Friendly Materials”, held at Hislop College, during 28-29th Sept, 2013. |
| **3.** | Source and Health effects of groundwater fluoride contamination, National Conference Watershed Management for Sustainable Development, WMSD-2013” ISBN No. 978-81-926-0-9, pp. 19-30, Shivaji Science College, Amravati on 22nd -23rd February 2013. |
| **4.** | Suruchi Pande, Deepali Marghade (2013) Microalgae- A suitable Alternative Feedstock for Biodiesel: A Review, National Conference on Advanced Research Trends in Sciences NCARTS-13, 18-19th Jan 2011 |
| **5.** | Deepali Marghade, M.K.N Yenkie, D.B. Malpe (2012) Groundwater quality and associated health risk in Urban Areas of India: A review, Recent Trends in Chemical & Geological Sciences & its Relevance to Environmental Conservation NSRTCGSEC-2012, 22nd Dec 12 at Armori, Gondia District, Maharashtra |
| **6.** | Entitled ”Impact of urbanization on groundwater Quality of Nagpur city, Central India” at National conference on recent developments in Geology, Mineral and Groundwater Resource of India, 11-12th Feb. 2011 at Post Graduate Department of Geology, Institute of Science, Aurangabad. |
| **7.** | Entitled “Groundwater quality and nitrate contamination in Pili river area of Nagpur urban, Cental India at National conference on Groundwater Resource Development and Management in Hard Rocks at University of Pune, Maharashtra, India, Feb.12-13th, 2010. www.geosocindia.org/Goldenjubilee/GroundwaterSeminar2010.pdf |
| **8.** | Entitled “Apprasial of climate change and urbanization on groundwater” at National conference on Chemistry for the protection of Environment at Priyadarshini Institute of Engineering & Technology, Nagpur on 18-19th Dec. 2009 |
| **9.** | Entitled “Assessment of Nitrate pollution & vulnerability of groundwater of Pili nadi area of Nagpur city, Cental India” at workshop on Groundwater Resource Management in Maharashtra on 3-4th March 2009. |
| **10.** | Entitled “Groundwater resources assessment under the pressures of humanity and climate change” at workshop on Groundwater Resource Management in Maharastra on 3-4th, March 2009. |
| **11.** | Entitled “Assessment of pollution status & vulnerability of shallow & Deep aquifer of Northeastern area of Nagpur” at National seminar on Water Vision 2030 on 24-25 Dec.2008. |
| **12.** | Entitled “Impact Assessment of toxicant discharge by landfill on groundwater quality” at 3rd National Conference on Thermodynamic of Chemical and Biological System, Nagpur, Oct. 16-17, 2008 |
| **13.** | Entitled “Impact of urbanization on shallow and deep aquifers of northeast region of Nagpur city” at National Conference on Green Chemistry and its perspective, Amravati University, Maharashtra, Feb. 11-12-2008 |

**Reviewer Assignments**

Reviewer for various International and National Journals:

Scientific Reports, Chemosphere, Geochemical health and Research, Marine Pollution, Human and health risk assessment J, Environmental Pollution and Research, Groundwater for sustainable development (Elsevier), Arabian J of Geosciences, Environmental Monitoring and Assessment, Environmental Earth Sciences, Applied water Science (springer); Gondwana Geological Mazine of Gondwana Geological Society, India; African Journal of Environmental Sciences; International Journal of Environmental Protection, Journal of Research in Environmental Science and Toxicology and many more.

**Professional Society Membership**

|  |  |  |
| --- | --- | --- |
| **Sr.No.** | **Organization** | **Grade of Membership** |
| 1. | Society for Promotion of Material Science | Life Membership |
| 2. | International Association of Engineers | Life member 144883 |
| 3. | Indian Association of Solid State Chemists and Allied Sciences | Life member 393 |
| 4. | Society for Technologically Advanced Materials of India | Life member LM94 |

**Responsibilities handled at University level**

1. Member of LEC (Local Inquiry Committee) for Smt. Manoharbhai Patel Institute of Engineering and Technology Bhandara under RTMNU, Nagpur for the academic year 2017-2018.
2. Paper setter, Moderator and Paper checker for Applied Physical Chemistry Subject of Btech. Chemical Engineering and Biotechnology.
3. Paper checker for Engineering Chemistry Subject of B.E.
4. Member of Syllabus design committee for open electives papers of Mtech.
5. Paper setter, Moderator and Paper checker for open electives papers of Mtech.
6. Appointed as an External and Internal Supervisor for conducting University Theory examination at different Engineering colleges from 2014 to till date.

**Social outreach related activities as a Scientist / Academician**

***As a Academician***

* 1. Guest lecture delivered on syllabus topic “Advanced Materials” in Dr. Babasaheb Ambedkar college of Engineering & Research on 2/3/13 and 16/3/13.
  2. Invited as a jury member for the Best Teaching Category Award, Meghe Group Institute Awards conducted on 26/10/2017.

***As a Scientist***

1. Co-Chair a session in international Conference on Recent Advances in Water Science and Technology (ICRAWST-2021 scheduled on 02-03 December, 2021 Sri Shakthi Institute of Engineering and Technology | Coimbatore 641062 | India.
2. Give oral presentation on Groundwater Quality and its health risk Assessment in international Conference on Recent Advances in Water Science and Technology (ICRAWST-2021 scheduled on 02-03 December, 2021 Sri Shakthi Institute of Engineering and Technology | Coimbatore 641062 | India.
3. Invited for Talk in Indo US Bilateral workshop on integrated hydrochemical modeling for sustainable development and management of water supply aquifers.
4. Invited for Talk in Dainik Bhaskar newspaper on Orange Drive on 8th February 2016.
5. Invited for Talk in Maharashtra Times newspaper on Save water on 13th June 2014.
6. Invited for Debate on Nag River and Pollution by Times of India Newspaper, Nagpur Office dated 4th April 2013.
7. Published article “Nag causing nitrate Pollution” in Times of India paper dated 11th April 2013 in first person column.

Date: 04th April 2022 Dr. Deepali Marghade