

Curriculum Vitae



DR. VIDYADHAR V. GEDAM

E-Mail: vgedam@nitie.ac.in

Mobile: +91-7875028207

SCOPUS ID: 54406902600

Skype ID : vgedam@yahoo.com

Research Interests: Mineral waste valorization, Chemical Hazard and Safety, Sustainable development, Water quality monitoring and assessment, Solid and Hazards Waste Management.

SCHOLASTIC RECORDS

- ❖ **PhD** (AcSIR-Delhi), **Advance Diploma in Industrial Safety** (MSBTE-Mumbai)
- ❖ **MTech** (NIT-Karnataka), **B.E.** (Shivaji University, Kolhapur)

RESEARCH AND CONSULTANCY PROJECTS UNDERTAKEN/HANDLED:

1. **Principal Investigator of project entitled** “Pre-treatment of Cellulosic waste material for Bio-Ethanol production”, Sponsored by Gyngrowth Industry, Nagpur, India, 2016-18 (**5 Lac**).
2. **Member of consultancy and research projects**
 - ◆ “Environmental Friendly Strategy for Mineral Waste Utilization in India Utilizing Cement and Concrete Production Technology” sponsored by Sinteff- Norway-2011.
 - ◆ Development and Application of Surfactants for Reduction in Evaporation Losses from Surface Water Reservoirs”, sponsored by Ministry of Drinking water and Sanitation-2013.
 - ◆ Environmental Impact Assessment of “Ash fill sites of Talcher Thermal Power Plant and leaching characteristics’ of mine pit water at South Balanda mine pit” sponsored by NTPC Talcher-2013

LIST OF PUBLICATIONS

1. Rapid in-vitro proliferation of *Tinospora cordifolia* callus biomass from stem and leaf with phyto-chemical and antimicrobial assessment, Global waste management **proceedings**, 7thIconSWM_15-17 December, 2017.
2. **Vidyadhar V. Gedam**, Pawan Labhasetwar, Christian J. Engelsen, CCRs characterization and valorisation as mineral additives during cement production in India, International Journal of Coal Preparation and Utilization, Page 1-15, 2017. DOI: 10.1080/19392699.2017.1365713
3. **Vidyadhar V. Gedam**, P.K. Labhasetwar, Characterization and Valorization of Steel Slag (SS) as a Recycled Aggregates in Indian Concrete Industry (Environmental Management-Waste to Wealth in India-Book chapter Accepted by Springer, 2017-18)
4. **Vidyadhar Gedam**, Anup Chahande, “Efficient Pretreatment of Cellulosic waste for Bio-Ethanol production, International Conference on Integrated Solid waste management practices in developing countries, April 11-12, 2017, CSIR-NEERI, Nagpur.
5. Nidhi Gupta, **Vidyadhar V. Gedam**, Chandrashekhar Moghe, Pawan Labhasetwar, “Investigation of Characteristics and Leaching behavior of Coal fly ash, Coal fly ash bricks and Clay bricks” Journal of

Environmental Technology & Innovation, Volume 7, April 2017, Pages 152–159.
DOI:<http://dx.doi.org/10.1016/j.eti.2017.02.002>.

6. Nidhi Gupta, **Vidyadhar V. Gedam**, Chandrashekhar Moghe, Pawan Labhasetwar, “Leaching status of Hazard Trace elements from Bricks and their concentration in Ground Water of Bricks Manufacturing Sites of Badarpur and Khaperkheda thermal power plants (TPP)” 49th IWWA Annual Convention, VNIT, Nagpur, 19-21 Jan 2017.
7. **Vidyadhar V. Gedam**, Pawan Labhasetwar, Christian J. Engelsen, “Potential of Steel Slag as a Recycled Aggregates: A Review”, IJETEMR, Vol.2, Issue3, 2016.
8. **Vidyadhar V. Gedam**, Pawan Labhasetwar, Christian J. Engelsen, “An assessment of C&D waste quality and its recycling potential-An Indian perspective”. Waste Management and Resource Circulation, 6th IconSWM International conference, Vol. 1, pp 67-74, 2016.
9. Anup Chahande, **Vidyadhar V. Gedam**, Pranay Raut, Yogesh Moharkar, “Pretreatment and production of Bioethanol from Citrus reticulate fruit waste with Baker’s yeast by Solid State and Submerged Fermentation”, Utilization and Management of Bio-Resource, 6th IconSWM International conference proceedings, Vol. 1, pp 135-141, 2016, ISBN 978-981-10-5348-1, (DOI 10.1007/978-981-10-5349-8_13).
10. Ajay Dwivedi, **Vidyadhar V. Gedam**, Y.P. Moharkar “Assessment of water footprint and water audit in Distillery-A case study”, International Journal of Novel Research in Engineering, Science & Technology, Vol. 1, Issue 1, 2016, ISSN No. 24557935.
11. Nidhi Gupta¹, **Vidyadhar V. Gedam**¹, Chandrashekhar Moghe², Pawan Labhasetwar² “Temporal change in leaching of heavy metals from clay bricks and fly ash”, International Journal of Engineering Technology, Management and Applied Sciences, vol. 3, special issue, ISSN 2349-4476, Sept-2015.
12. Nidhi Gupta¹, **Vidyadhar V. Gedam**¹, Chandrashekhar Moghe², Pawan Labhasetwar² “Temporal change in leaching of heavy metals from clay bricks and fly ash”, ICIRESM-15, Proceeding in Tata Mcgraw Hill Publications, JNU, Conference, Sept-2015.
13. Nidhi Gupta, **Vidyadhar V Gedam**, Chandrashekhar Moghe, Pawan Labhasetwar., “Heavy metal concentrations in and around Khaperkheda fly ash bricks and clay bricks manufacturing sites” 14th NCB International Workshop/Seminar, 01-04 Dec. 2015, New Delhi, India.
14. **Vidyadhar V. Gedam**, Pawan Labhasetwar, Christian J. Engelsen., "A user-friendly software based Database for mineral waste management in India" 13th NCB International Seminar/conference, 19-22 Nov. 2013, New Delhi-India.
15. **Vidyadhar V. Gedam**, Rajesh Jha, Pawan Labhasetwar, Christian J. Engelsen., " A comprehensive physico-chemical, mineralogical and morphological characterization of Indian mineral wastes., Environmental Monitoring and Assessment, August 2013, Volume 185, Issue 8, pp 6343-6352.
16. **Vidyadhar V. Gedam**, Jitendra L. Patil Srimanth Kagne, Rajkumar S. Sirsam and Pawan kumar Labhasetwar, “Performance Evaluation Of Polyamide Reverse Osmosis Membrane For Removal Of Contaminants In Ground Water Collected From Chandrapur District”, Journal of Membrane Science and Technology, Volume 2, Issue 3, Page No. 2-5 2012, DOI:10.4172/2155-9589.1000117
17. **V.V. Gedam**, P.S. Kelkar, R.K. Jha, G.K. Khadse, P.K. Labhasetwar “Assessment of Assimilative Capacity of Kanhan River Stretch Using Mike-11 Modeling Tool” J Environ. Science & Engg. Vol. 54, No. 4, p. 481-488, October 2012, PMID: 25151711.
18. **Gedam V. V.**, Regupathi I., “Pyrolysis Of Municipal Solid Waste For Syn Gas Production By Microwave Irradiation”, Natural Resources Research, v.21, no.1, 75-82, 2012 March, p.75(8), DOI: 10.1007/s11053-011-9161-1
19. C. J. Engelsen, V. V. Arora, **V.V. Gedam**, Kr.Sandeep, A. K. Mullick, I. Srinivasan, R. Myrdal, P. K. Labhasetwar, P. Fidjestøl, K. Reknes, H. Justnes, Vikas Thakur, “The Indo-Norwegian Project On Alternative Materials In Cement And Concrete – Systematic Accumulation Of Material Properties” in proceedings NCB International conference on Cement and Building Materials, December 20, 2011, New Delhi India.

CONFERENCES/STTP/WORKSHOPS CONTRIBUTION AND ATTENDED

1. Convener of ISTE approved one week self-financed STTP on “Recent Advancement in environmental engineering, science and chemistry: A multidisciplinary approach” from 9-14 Oct., 2017 at PIET, Nagpur.
2. 49th IWWA Annual Convention, VNIT, Nagpur, 19-21 Jan 2017
3. Participate in 6th Icon SWM 2016, November 24-26, 2016 at Jadavpur University.
4. International Conference on Integrated Solid waste management practices in developing countries, April 11-12, 2017, CSIR-NEERI, Nagpur.
5. ICIRESM-15, JNU, Delhi Conference, September 20, 2015.
6. Organizing Secretary of Two days’ Workshop on “Developing Teaching Competencies” 2,3rd December, 2014 at PIET, Nagpur.
7. 14th NCB International Workshop/Seminar, 01-04 Dec. 2015, New Delhi, India.
8. 13th NCB International Seminar/conference on Cement and Building Material, 19-22 Nov. 2013, New Delhi-India.
9. International workshop on “House Hold Water Treatment and Safe Storage” November 14-16, 2013 at CSIR-NEERI.
10. International workshop on “Technological Solutions for Environmental Sustainability” March 5-6, 2013 at Nagpur.
11. National workshop on “Recycle & Reuse of Waste water in Township” held at Indian Water Works Association, Nagpur Center on 28th July 2012.
12. International Workshop on “Mitigating Effects of Geogenic Contaminants” held in NEERI, Nagpur, During February 22-23, 2012.
13. Training Program on “Water Quality Monitoring and Surveillance” Sponsored by Ministry of Drinking Water and Sanitation, GOI, New Delhi, held in NEERI Nagpur during September 20-23, 2011.
14. Technical Seminar on “Cost and Energy Savings in Water and Waste water Management & Training Workshop on RO Technology”, held at Nagpur on 7 July 2011.
15. International conference on “Sustainable Water Resource Management and Treatment Technology” held at NEERI, Nagpur on 19-21 January, 2010.
16. Indo-Italian Workshop on Sustainable Development of Ground Water Resources held at NEERI, Nagpur on 20 October, 2010.
17. Indo-Norwegian Workshop on “Environmental Friendly Strategy For Mineral Waste Utilization In India Utilizing Cement And Concrete Production Technology” organized by National Environmental Engineering Research Institute (NEERI), Nagpur on 6 October, 2010
18. Seminar on “Emerging Trends in Environmental Biotechnology” (TEQUI Sponsored) held at NITK Surathkal, Karnataka on 12-14th January, 2009.
19. National Workshop On “Recent Advances in Energy and Environmental Management System” held at MIT Manipal, Karnataka on 12-13th October, 2007.

JOURNAL REVIEWER/EDITOR

- ✓ International Journal of Chemical Separation Technology and International Journal of Renewable Energy and its Commercialization (Pub-Med Journals, Editorial Board Member).
- ✓ Arabian Journal of Science and Engineering, Springer Publications.
- ✓ Environment, Development and Sustainability, Springer Publications.
- ✓ Environmental Engineering and Management Journal, Gheorghe Asachi Technical University, Romania.
- ✓ Environmental Engineering Research, An International Journal of the Korean Society of Environmental Engineers (KSEE).
- ✓ Journal of Environmental Chemical Engineering, Elsevier Publication

MEMBERS OF PROFESSIONAL BODIES

- ❖ Indian Water Work Association (IWWA), Life Member-2017.
- ❖ International Association of Engineers (IAENG), 144836, 2014.
- ❖ Senior Member of Asia-Pacific Chemical Biological and Environmental Engineering Society (APCBEEES, Member NO.: 101197)
- ❖ World Academy of Science, Engineering and Technology (WASET-2017)

SPECIAL ACHIEVEMENTS AND AWARDS

- ◆ Development of “**My SQL and PHP**” based **Data base software**” for systematic and updated information on Mineral wastes for SINTEFF, Norway.
- ◆ Selected by **AcSIR-Delhi for PhD program in CSIR-NEERI**, 2011.
- ◆ Training Program on “**Water Quality Monitoring and Surveillance**” September 20-23, 2011 @ CSIR-NEERI, Nagpur, India.
- ◆ **Qualified GATE** Examination in 2007
- ◆ **Training program @ Manglore Refinery and Petrochemicals Limited (MRPL)** on Process Study and Environmental Aspects during 27/05/2008-10/07/2008 at Manglore, Karnataka, India.