

Ms.M.Padmaja

Assistant Professor



Education Qualifications: M.Tech(PhD)
Specialization: Environmental Management

ADDRESS:

- E – Block room no.04

JNTUH ID:

6447-160111-110059

EMAIL:

mpadmaja_civil@mgit.ac.in

DATE OF JOINING:

16-12-2015

EXPERIENCE - 14 Years

- Teaching - 14

SUMMARY:

- Publications - 16
- Conferences - 10
- Patents – 2
- Honors/Awards – 1

EVENTS:

- Organized - 2
- Attended - 40

Membership of Professional Bodies:

- Life Member ISTE
- Member of the Institution of Engineers

Responsibilities Held at Institution Level:

- Faculty Coordinator for Social and Industry connect -NEP
- Student Club
- Campus Monitoring
- Anti-Ragging Duty
- Cultural activities

Responsibilities Held at Department Level:

- Class coordinator
- Time-table Incharge
- Mentoring

Honors/Awards Received:

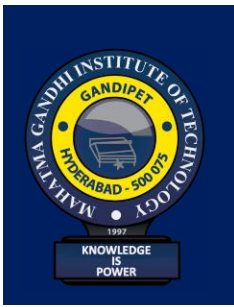
- Best Paper award at 3rd National Conference on Water, Environment & Society (NCWES-2016) at JNTUH, Jun, 2016.

Courses Handled at Under Graduate /Post Graduate Level:

- UG:** Environmental Engineering, Industrial Wastewater Treatment, Air Pollution & Control, Environmental Impact Assessment, Solid Waste Management, Construction Technology & Management
- PG:** Research Methodology & Intellectual Property Rights

Publications:

- Heavy metal adsorption in single and ternary systems onto Vetiveria Zizanioides roots, Materials Today Proceedings, ISSN: 2214-7853, Volume 51, Part 1, 2022, Pages 314-318 June 2021.
- Comparative study of bridge configurations for dynamic analysis, Materials Today Proceedings, ISSN: 2214-7853, Volume 51, Part 1, 2022, Pages 600-606 June 2021.
- Green Treatment and Artificial Neural Networks for the breakthrough analysis of single and multi-variant elements, RJCE, ISSN: 0972-0626, Volume 25(5), pp 183, May 2021.
- Effect of succinic acid on compression strength concrete material, Materials Today Proceedings, May, 2021.
- A Study On Simplified Method For Analysis Of Girder Bridge Decks, The Journal Of Oriental Research Madras, ISSN: 0022-3301, pp 25, March 2021.
- Practices For The Treatment Of AMD Effluent Using Onion Peels, The Journal Of Oriental Research Madras ISSN: 0022-3301, pp 1, March 2021,
- Response Surface Optimization of Fixed Bed Adsorption of Cr⁺⁶ Onto Low-Cost Adsorbent, Current World Environment, ISSN: 0973-4929, Vol 15, No(3), PP 632-639, October 2020.



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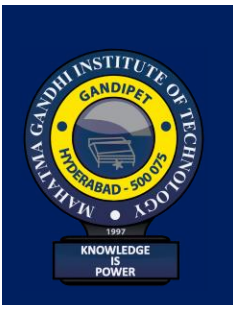
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8. Clean Technology for the Treatment and Modelling of Acid Mine Drainage Effluent, Current World Environment, ISSN: 0973-4929, Volume 15, No (Special Issue 1), June 2020
9. Optimization of Cu (II) and Cr (VI) Removal Efficiency using ANNs and RSM, Test Engineering & Management, ISSN: 0193-4120, Volume 83, PP 8343-8348, March-April 2020.
10. Online Tools for Strengthening Remote Teaching-Learning in the Times of Emergencies-COVID-19” in International Journal of Advanced Science & Technology ISSN: 2207-6360, Mar 2020.
11. The Case Study of Brain Tumor Data Analysis Using Stata and R, Advanced Computing and Intelligent Engineering, Springer Nature Singapore Pte Ltd, with ISBN 978-981-15-1080-9, pp239-252, Feb 2020.
12. Adsorption Efficiency of renewable Adsorbents for the elimination of Heavy metal from Wastewater using waste Biomass, JETIR, ISBN :978-93-88808-48-4, Pp171-176; Sep, 2019.
13. Adsorption of Cadmium from Aqueous Solutions Using Low cost Materials-A Review in IJET (UAE) (Indexed in Scopus) ISSN: 2227-524X, Vol.8, Issue2 Sep, 2018.
14. An experimental investigation on Bacillus subtilis in healing micro cracks in concrete vol.3, issue 3, IJARIIE (Indexed in ICI, CSIR, Thomson Reuters RID), Jun 2017.
15. Comparative study of low-cost adsorbents in the elimination of MB dye from aqueous solutions, vol.3, issue3, IJARIIT (Indexed in Thomson Reuters RID), Jun 2017.
16. Aeroelastic behavior of Long Span Cable Stayed Bridge, IJIRSET, Vol. 5, Issue 7, July, 2016, ISSN-2319-8753(Online)

Conferences:

1. Presented a paper titled “Evaluation of single and multi-element adsorption of Pb(II), Cd(II) and Ni(II) on KOH activated carbon from vetiver roots”, at a 4-day International conference, KIT, Bhubaneswar, 27th-30th Nov, 2019.
2. Attended in an International Conference on “Environmental Degradation: key challenge to Sustainable development” at the Institution of Engineers, Hyderabad, 22nd-24th Nov, 2019.
3. Presented a Paper on “Biosorption of Heavy metals from aqueous solutions using adsorbents derived from waste biomass” in ITSBE-17, Mar 2017, at Chennai.
4. Presented a Paper on “Sustainable Adsorbents for Industrial Effluent Treatment Using Modified Biochar” in NICEST’21, Mar, 2021 at MGIT.
5. Presented a paper titled “Synthesis and Enhanced characterization of vetiver root Activated carbon for Industrial Effluent Treatment” at a 2-day National Conference, JNTUK, Kakinada, 11th-12th Nov, 2019. Also published proceedings in a book from paramount publishing House with ISBN-978-93-88808-48-4.
6. Presented a paper titled “Adsorption efficiency of renewable adsorbents for the elimination of heavy metals from waste water using waste biomass” at a 2 day National Conference, MGIT, Hyderabad, 19th -20th Sep, 2019.
7. Presented a paper titled “Elimination of Cadmium from wastewater using natural materials-A Review” in NCSHMEM-18, 27 -28th Mar, 2018 at Chennai.
8. Presented a paper titled “Vulnerability Assessment of Salinity Intrusion in Coastal Aquifers of Chennai Using Arc GIS” NICEST-18, 16-17 Feb, 2018 at FTAPCCI.
9. Presented a paper titled “Green treatment of CU(II) in AMD effluent using chilli stalks as adsorbent” in SWEM-17, 21-23 Dec, 2017 at JNTUH.
10. Presented a Paper on “Biosorption of Heavy Metals from Aqueous Solutions Using Prawn and Egg Shell Wastes” (NCWES-2016) and was awarded “The Best Paper”, Jun 2016.

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Patents:

1. Machine Learning and artificial Intelligence based RFID system for Detecting Trespassers for Providing Enhanced Safety in Agricultural Fields to Farmers was published in Mar-2022; No: 202241014897.
2. Improvisation in Urban Planning for Environmental Benefits through Implementing Grid Network System for Electricity Supply for Smart Cities, Apr- 2022, No.202241019568.

No. of Books/Chapter Published with details:

1. Synthesis and Enhanced characterization of vetiver root Activated carbon for Industrial Effluent Treatment, paramount publishing House, ISBN-978-93-88808-48-4.

Events Organized:**Conferences:**

1. NICEST'21 – National Conference at MGIT, March, 2021.
2. Student Tech Fest CINFRA at MGIT campus, March, 2017.

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

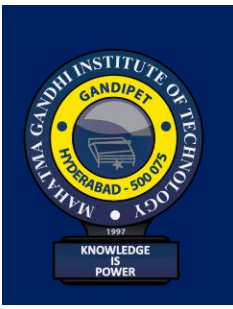
1. Two day National Webinar on “Advances in Remote Sensing & GIS, Mahatma Gandhi Institute of Technology, Hyderabad on 09th 10th, Jun, 2020.

Events Attended:**FDPs/STTPs:**

1. A 5-Day FDP on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 14 June, 2021 to 18 June, 2021..
2. A 1-week FDP on “Advanced Applications of Structural Concrete in Civil Engineering” During 7th to 12th of June 2021 Organized by KL Deemed to be University.
3. A 1-week FDP on “Innovative Technologies in Civil Engineering”, organised by EEC college, from 12th to 19th May, 2021
4. 2 day FDP on “Adoption of Technology in Teaching & learning” from 5th -6th Jul, 2017 at MGIT.
5. 2 day FDP on “Teaching engineering” from 3rd -4th Mar, 2016 at MGIT
6. 1 ½ weeks FDP on “Wastewater Treatment & Recycling”, organised by NPTEL during Jul-Oct, 2019.
7. FDP on “Outcome based education” organised by InPods Ed-Tech on 5th May, 2020.
8. Online AICTE Margadarshan FDP on “Art of Writing Papers and Research Methodologies” organised by GRIET, Hyderabad from 7th -13th May, 2020.
9. 1-week FDP on “Recent Avenues in Civil Engineering (RACE-2020)”, organised by NRCM college, May, 2020.

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. A short-term course on “Futuristic aspects of Geoenvironmental and Geotechnical issues of coal overburden and Mine Tailings” organised by MHRD, India from 15th to 18th March, 2021.
2. A 2-week Orientation course on “Research Methodology and Intellectual property Rights” from 28th May-9th Jun, 2018 at JNTU, Anantapur.
3. Attended a training course on “Arc GIS 10.1” from 22nd -24th Mar, 2018 at MGIT.
4. 2-day workshop on “Online Tools & Software for Remote Teaching-Learning” organised by UGC-HRDC, JNTUH from 24th -25th April, 2020.
5. Online workshop on “Scientific Writing” hosted by Chemical Science Review & Letters on 8th May, 2020.
6. One-week workshop on “Online Tools & Software for Remote Teaching-Learning” organised by UGC-HRDC, JNTUH from 24th -25th April, 2020.



7. One day seminar on “Smart Cities: A paradigm shift in development” at The Institution of Engineers on 11th May 2017 on the Occasion of National Technology day.
8. One-day seminar on “National Bamboo Mission” at CBIT on 27th Dec, 2019.
9. Webinar on “Intellectual Property Rights and Patenting” organised by Startcore Technologies on 10th April, 2020.
10. Webinar on “Preparation of Research Proposals to funding agencies” organised by Startcore Technologies on 27th April, 2020.
11. Online Faculty awareness program on NAAC Accreditation conducted by Shri Chattrapathi Shivajiraje College of Engineering from 10th -15th May, 2020.
12. Webinar on “Integrating Scopus APIs into your everyday workflow” organised by Bright Talk on 23rd April, 2020.
13. Webinar on “Enhance research visibility to improve ranking” organised by Bright Talk on 16th April, 2020.
14. Webinar on “Collaborate Remotely” organised by Bright Talk on 23rd April, 2020.
15. Webinar on “Enhancing Research Effectiveness using Scopus, Science direct and Mendeley” organised by Kurukshetra University under the aegis of MHRD, India on 1st May, 2020.

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Online Certifications:

1. One-week ATAL FDP on: "Waste Technology" organised by Government Engineering College, Bharuch from 20/12/21 to 24/12/21.
2. One-week ATAL FDP on "Recycling of Plastics for Sustainable Growth" organised by Central Institute of Petrochemicals Engineering & Technology (CIPET): Institute of Plastics Technology (IPT) from 10/01/2022 to 14/01/2022.
3. Attended a webinar on: "Light Pollution" organised by KLE Science and Commerce College on 24/12/21.
4. Attended a webinar on: How to manage a project effectively in construction sector in accordance to Project Management Institute (PMI), USA on 4/12/21.
5. Attended a webinar on: "Be Your Own Boss" organised by KLE Science and Commerce College on 17/12/21.
6. Attended a webinar on: Advancing Human Rights by Reducing Inequalities on 10/12/21
7. 8 week NPTEL training course on "Plastic waste management", during Jan-Mar, 2020.
8. 3-day training program on "Revit Software" at MGIT from 23rd-25th Jan, 2020.
9. 4-week course on "Geospatial and Environmental Analysis" conducted by Coursera Apr-May, 2020.
10. 4-week course on "Neural Networks and Deep Learning" conducted by Coursera May-Jun, 2020.
11. 12 week NPTEL training course on "Wastewater Treatment & Recycling", during Jul-Oct, 2019.
12. 4 week NPTEL training course on "Managing Intellectual Property at Universities", during Jan-Feb, 2019.

Any Other Contribution:

1. Delivered a talk on "Environmental Sustainability" at 1st year orientation program on 25th Jul, 2018 at MGIT campus.