

Mrs. S. Bala Padmaja

Assistant Professor



Education Qualifications: M.Tech
Specialization: Geoenvironmental Engineering

ADDRESS:

- E – Block -Room No.001

JNTUH ID:

5108-180703-003927

EMAIL:

stbalapadmaja_civil@mgit.ac.in

DATE OF JOINING:

01-08-2018

EXPERIENCE – 14 Years

- Teaching – 10 years
- Research -4 years

SUMMARY:

- Publications - 14
- Honors/Awards - 01

EVENTS:

- Organized - 01
- Attended - 30

Membership of Professional Bodies:

1. Life Member of ISTE LM-79565.

Responsibilities Held at Institution Level:

1. Anti-Ragging Duties
2. Campus monitoring duties

Responsibilities Held at Department Level:

1. Engineering Geology Lab In-Charge
2. Mentor
3. Class In charge
4. Criteria In charge in NBA files

Honors/Awards Received:

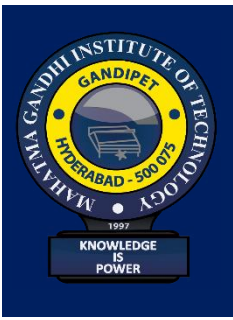
1. SPRINGER BEST PAPER AWARD.

Courses Handled at Under Graduate /Post Graduate Level:

1. **UG:** Engineering geology, Soil Mechanics, Geotechnical Engineering, Foundation Engineering, Ground Improvement Techniques, Environmental Impact Assessment, WRE
2. **PG:** Disaster Management, Design of Substructures, Advanced foundation Engineering

Publications:

1. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2021], "Landslide Stability Analysis using Mathematical Approach", Elsevier Materials.*
2. *S. Bala Padmaja and P. Neerja [2021], [Landfill Stabilization using Shredded Rubber Tyre as Admixture", NCRA-2021.*
3. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2020], "Effect of Shear Modulus on Slope Stability Analysis", IGC-2020, Andhra University, Visakhapatnam, Dec 17-19.*
4. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2020], "Effect of Rainfall Infiltration on the Stability of Soil Slopes" GEOAPPS-2020, IGS Hyderabad chapter event, JNTUH.*
5. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2018] "Effect of Displacement Factor on Stability Analysis of Slope" GEOAPPS-2018, IGS Hyderabad chapter event, JNTUH.*
6. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2017], "Instability Mechanism of Landslides due to Rainfall" IGC-2017, IIT, Guwahati (under review).*
7. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2016], "A Catastrophe Theory for Planar Sliding Slope", IGC-2016, IITM, Chennai, Dec15-17[287].*



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8. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2016]*, “Analysis of Rain Fall Induced Landslides Using Catastrophe Theory”, ICFGE –IISc, Bangalore, Dec 8-10 [330-335].
9. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2016]*, “Constitutive Equations of Elasto-Brittle and Elasto-Plastic Soils”, IGEC-IITB, Mumbai, Sep 23-24[ID-18].
10. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2016]*, “Stiffness Effect on Instability of Sliding Slope”, ISLT, NIT Surathkal, September 15-17[131-136].
11. *S. Bala Padmaja, G. V. Narasimha Reddy and E. Saibaba Reddy [2014]*, “Effect of Clay Liner Stabilized with Charcoal in Sorbing Nickel”, IGC-2014, Kakinada, Dec 18-20.
12. *S. Bala Padmaja [2012]*, “Effect of Sorption Capacity of Nickel Contaminants in Clayey Soils with Flyash Admixture” JNTUK.
13. *S. Bala Padmaja [2012]*, “Effect of Rice Husk Ash on Stabilization of Expansive Soil” YGeoTech-2012, Hyderabad, March 31.
14. *S. Bala Padmaja, G. V. Narasimha Reddy and K. Suresh [2009]*, “Effect of Admixtures on Clay Liner in Sorbing Nickel”, IGC-2009, Guntur.

Research & Consultancy:

1. Carried out consultancy works on soil testing in Geotechnical Engineering Laboratory

Events Organized:

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

1. One day online work shop on “Advancements in Civil Engineering-2021”, Mahatma Gandhi Institute of Technology, Hyderabad on 09-06-2021.

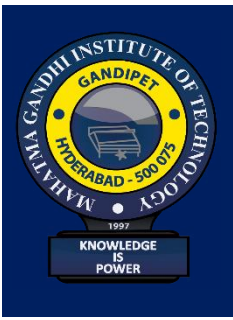
Events Attended:

FDPs/STTPs:

1. 2 week ISTE workshop on Engineering Mechanics conducted by IIT Bombay, National mission on education through ICT(MHRD, Govt. of India) November 26-Dec 6, 2013.
2. Short term course on “Geotechnical Site Investigation” sponsored by UGC and conducted by CED IIT Madras, Chennai from 31st Jan to 5th Feb 2011.

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

1. Workshop on “GeoApps 2017: Recent Developments” IITH, Hyderabad, 18 February, 2017.
2. Annual Conference of IGS on “Geotechnology towards Global Standards”, IGC, Chennai Chapter & IITM, 15-17 December, 2016.
3. Workshop on “GEODISASTERS: Ground & Slope Instability”, IGS Hyderabad Chapter & JNTUH, Hyderabad on 1 October, 2016.
4. International Geotechnical Engineering Conference on “Sustainability in Geotechnical Practices and Related Urban Issues”, IITB, Mumbai, 23-24 September, 2016.
5. International Conference on “Sustainable Civil Infrastructure”, ASCE & IIT, Hyderabad, 17-18 October, 2014.



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6. National Seminar on “Advances in Geotechnical Engineering”, IIT, Hyderabad, 11-12 July, 2014.
7. Symposium on “Geotechnical Applications-GEOAPPS”, JNTUH, Hyderabad on 4 April, 2014.
8. Symposium on “GeoPractices-2013”, IGS Hyderabad Chapter & JNTUH, Hyderabad on 4 October, 2013.
9. Symposium on “Landfill Engineering: Perspectives and Practices”, IIT, Hyderabad on 5 August, 2013.
10. Workshop on “Geotechnical Engineering in Practice”, NIT, Warangal, 4 March, 2012.
11. UGC sponsored **Refresher Course**, JNTUH on “Geomatic Applications for Sustainable Water Resources and Environment” during 15.06.2009 to 04.07.2009.
12. UGC sponsored **Refresher Course**, JNTUH on “RS and GIS Applications for Water and Environmental Technologies” during 25.08.2008 to 16.09.2008.