



Mr. Bhomik Ketari Deogade

Assistant Professor



Education Qualifications: M. Tech.
Specialization: Metallurgical and Materials Engineering

ADDRESS:

- A – Block -Room No. 005

JNTUH ID:

79150406-084335

EMAIL:

dbhomikketari_mme@mgit.ac.in

DATE OF JOINING:

20-06-2005

EXPERIENCE - 18 Years

- Teaching -17
- Industry -1

SUMMARY:

- Conferences Publications- 3
- Honors/Awards - 1

EVENTS:

- Organized - 14
- Attended - 20



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Membership of Professional Bodies:

1. Society for Failure Analysis, Founding Member No.0086
2. Powder Metallurgy, Association of India Life Member No.83213
3. Electron Microscopy Society of India Life Member No.1058
4. Indian Institute of Metals Life Member No.53926

Responsibilities Held at Institution Level:

1. Dept. Coordinator - Training & Placement Officer – 2014 to 2018
2. Dept. Member – Career Guidance Cell, MGIT
3. Dept. Member – TASK, MGIT

Responsibilities Held at Department Level:

1. Dept. Coordinator for Staff Leaves
2. Class In-charges

Honors/Awards Received:

1. **II Best Oral presentation award** at International Conference and Expo on Magnesium and its alloys, "IMagCon 2016", organized by IIM-Chennai Chapter and VIT, Chennai Campus during 04.02.2016 to 06.02.2016.

Courses Handled at Under Graduate /Post Graduate Level:

- UG: X-Ray Metallography, Materials Characterization Techniques, Superalloys, Mineral Processing, Mechanical Metallurgy, Mechanical Working of Metals, Metallurgical Computation Lab, Modelling and Simulation Lab, Mineral Processing Lab.

Conference Publications:

1. Vibhuthi Roshan, PVSL Narayana, **Bhomik Deogade**, Vijayalakshmi and Ravi Bollina*, Effect of lime coating on Iron ore pellets on Iron Production, International Conference on Mineral Processing Technology at Bhubaneswar, Odisha, December 10-12, 2013.
2. J. Jhansi, PVSL Narayana, **Bhomik Deogade**, S. Santhi*, Characterization of Wear and Erosion Resistance Coatings on Martensitic Stainless Steel - Research and Developments in Material Processing, Modelling and Characterization 2020* (RDMPMC-20) by NIT, Jamshedpur, 26th -27th August 2020.
3. J. Jhansi*, PVSL Narayana, **Bhomik Deogade**, S. Santhi, Detonation Gun Spray Coatings on Martensitic Stainless Steels, First International Conference on Future Technologies (ICOFT) in Manufacturing, Automation, Design and Energy (MADE) at NIT, Puducherry, December 27-30, 2020.

Events Organized:

Conferences:

1. *International Conference on Frontier of Metallurgy and Materials Technology, fMMT 2009, organized by IIM Hyd and MME, MGIT, January 29-31, 2009.*
2. *National Conference on Analysis and Prevention of Fatigue and Failure, organized by SFA and MME, MGIT, on February 3-4, 2012.*
3. *Special Course on "Electron Microscopy-TEM", by Dr. CVS Kiran, Faculty, Karlsruhe Institute of Technology, Germany, organized by MME, MGIT from March 15-25, 2017.*
4. *Annual Student Techno Fest, "METALLON", 2006, 2008, 2010, 2013, 2015, 2016, 2020*

FDPs/STTPs:

1. *International Winter School, "Advances in Aeronautical Materials and Technologies, AAMT-2010, organized by RCMA – CEMILAC and MGIT, on December 15-19, 2010.*
2. *Powder Metallurgy Short Course-2012, organized by PMAI and MGIT, on December 18-24, 2012.*
3. *Functional Materials Processing and Technology, 2020, August 3-8, 2020.*

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

1. Guest Lecture on "Emerging Career Opportunities for Metallurgical and Materials Engineering", by Shri. L.Pugazhenthay, September 12, 2009
2. Guest Lecture on "Industrial Management", President Donald McArthur, Singapore, September 27, 2010.
3. Guest Lecture on "Excitements and challenges in Nanotechnology", by Prof. B.S Murthy, Dept. of MME, IIT Madras, October 04, 2010.
4. Guest Lecture on "Career Opportunities for Metallurgists in the Middle-East", by Sri P K Venkat., GM, SpaceAge, GE WLL, October 26, 2010.
5. Guest Lecture on "Phase reversion induced Nano-grained/Ultrafine-grained Austenitic Stainless Steels", by Dr. R. Dvesh K Mishra, Distinguished University Professor, Uni. of Louisiana at Lafayette, December 20, 2010.
6. Guest Lecture on "Excitements and challenges in Nanotechnology", by Professor C. Suryanarayana, FASM, FIMMM, Department of Mechanical and Aerospace Engineering, University of Central Florida, USA, December 20, 2010.
7. Guest Lecture on "India Emerging as a Technical Super Power", by Dr. K Tamilmani, February 12, 2011
8. Guest Lecture on "Non-Destructive Testing", by Sri. R. N. Ray, Additional GM, MIDHANI, March 18, 2011.
9. Guest Lecture on "Dislocation Theory", Former Pro-Vice Chancellor, GITAMS Uni., Visakhapatnam, August 22 – 25, 2011.
10. Guest Lecture on "Association of Indian Forging Industry: Industry – Institute Interaction: Student Outreach Mission, August 06, 2012
11. *National Seminar on, "Perspectives of Metallurgical and Materials Engineering", organized by MME, MGIT, on December 23, 2013.*
12. Guest Lecture on "Mechanical Behavior of Titanium alloys", by Prof. Ankem Sriramamurthy, Dept. of Science and Engineering, Uni. of Maryland, USA, January 30, 2013.
13. Guest Lecture on "Fuel Cells for Energy Systems", by Dr. G Ramana Reddy, July 19, 2013.
14. Guest Lecture on "Processing of Nuclear Materials", by Shri N Sai Baba, CE, Nuclear Fuel Complex, September 27, 2013.
15. Guest Lecture on Indian Space Program by Padmashri Dr. V Adimurthy, Professor at Indian Institute of Space Science and Technology, Trivuranthapuram, at MGIT, 2014.
16. Guest Lecture on Automotive Steels by Dr. Wim Moonen, Program Manager, Global R & D, Tata Steel, The Netherlands, December 31, 2013.
17. *National Seminar on, "Metallurgy for Non-Metallurgist", organized by MME, MGIT, on January 29-30, 2015*
18. Guest Lecture on "A Perspective on Energy Demands and Security: Technology, Ethics, and Equity" by Dr. Baldev Raj, Director, National Institute for Advance Studies, IISc Campus, Bengaluru, February 7, 2015.
19. Guest Lecture on "Non-equilibrium processing", by Professor C. Suryanarayana, FASM, FIMMM, Department of Mechanical and Aerospace Engineering, University of Central Florida, USA; Thomas Jefferson Science Fellow, USA, July 13, 2015.
20. *National Seminar on, "Advanced Materials for Aerospace and Automotive Applications", organized by MME, MGIT on August 13, 2015.*
21. Alumni Guest Lecture on "Higher Studies prospects for Metallurgical and Materials Engineers", by Dr. K Anand Krishna, Assistant Professor, IIT Madras, March 03, 2017.
22. Guest Lecture on "A Method for Assessing Thermodynamically the Depletion of Mineral Resources", by Prof. Mark Lindley, Uni. Chair Professor., School of Economics, University of Hyderabad., September 21, 2017.
23. Alumni Guest Lecture on "Career Opportunities in Metallurgical and Materials Engineering", by Dr. G Raghuvver, October 12, 2017.
24. Alumni Guest Lecture on "Educational and Research Opportunities in Canada", by Dr. PSM Rajesh, February 02, 2018.
25. *National Seminar on, "Advances in Materials and Manufacturing Technologies", organized by MME, MGIT on February 19, 2018*
26. Alumni Guest Lecture on "Use of Transmission Electron Microscopy to Developed Advanced Materials", by Dr. Kolan Madhava Reddy, Associate Professor, Shanghai Jiao Tong University, Shanghai, China, February 26, 2018.
27. Alumni Guest Lecture on "Prospects and Educational Opportunities for Materials Engineering European Universities", by Dr. K P Shashanka, RA, Oxford University and Dr. U Raghunandan, RA, University of Hyderabad, March 24, 2018
28. *National Seminar on, "Insight into Materials Characterization", organized by MME, MGIT on March 11, 2019*
29. Alumni Guest Lecture on "Carrier Opportunities for Materials Scientist in USA", by Dr. Sai Vadlamani, Scientist INTEL, USA, August 6, 2019
30. Alumni Guest Lecture on "University Selection criteria for Masters and Ph.D in Materials Engineering in Germany", by Dr. C V S Kiran, August 31, 2019
31. Alumni Guest Lecture on "Opportunities for Higher Education and Placements in Australia", by Dr. R A Rahman Rashid, December 20, 2019.
32. Alumni Guest Lecture on "Basic of Electron Microscope", by Dr. K P Shashanka, RA, Oxford University, February 07, 2020
33. *National Seminar on, "Advances in Metallurgical and Materials Engineering", organized by MME, MGIT on March 4, 2020*
34. *Workshop on "Secondary Melting and Processing Technologies, IIM Hyd and MME, MGIT, on July 23-25, 2020*
35. Alumni Guest Lecture on "Opportunities and Challenges in Friction Stir Welding and Processing of Nickel based Superalloys", by Dr. Bharat Jasti, Associate Professor, Dept. of Materials and Metallurgical Engineering at SDSMT, USA, August 01, 2020.
36. Guest Lecture on Hardfacing-Industrial Application by Dr. Venugopal Thota, MD, Welding Alloys, Malaysia, August 05, 2020.
37. Alumni Guest Lecture on "Advanced Nanomaterials: Photoactive Nanofibers for Catalysis Applications", by Dr. Srujan Mishra, September 19, 2021

Events Attended

FDPs/STTPs:

1. FDP on Teaching, Learning, and Research In Engg. & Technology, organized by ISTE CHAPTER-MGIT, July 30 – August 03, 2012
2. Orientation Program, organized by UGC-Academic Staff College, Maulana Azad National Urdu University, Hyderabad, May 2013
3. Workshop on Texture of Materials, organized by NRCM and IISc, Bangalore, February 11-15, 2015
4. QIP Short Term Course on "Advanced Techniques in Microstructural Characterization", organized by QIP, IIT, Roorkee on May 29-June 2, 2017
5. FDP on "Research and Development in Materials Behaviour, Processing and Characterization Techniques", organized by Department of Mechanical Engineering, GLA University, Mathura - in association with India Institute of Metals (IIM), Mathura Chapter and Punjab University, Chandigarh, June 9 - 14, 2020
6. FDP on "Research Opportunities in Advanced Manufacturing Processes", organized by Dept. of Mechanical Engineering, Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune, Maharashtra on June 22 – 28, 2020
7. One Week Lecture Course on "Mechanical Behaviour of Metals", organized by Department of Mechanical Engineering, Chennai Institute of Technology, Chennai, July 1-6, 2020
8. FDP on "Advances in Corrosion Engineering and Electrochemical Characterization Techniques", organized by Department of Metallurgical and Materials Engineering, NIT, Raipur on January 2-6, 2021
9. FDP on "Materials for Photonic Application", organized by Dept. of Physics and Chemistry, MGIT, Hyderabad, Telangana on August 9-13, 2021

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

1. Workshop on "Effective Communication", organized by Dept. of Mathematics and Humanities, MGIT, June 20-30, 2005
2. Workshop on "Entrepreneurship Aware Camp in Advance Materials", organized by EDC, JNTUH, 2005
3. National Metallurgical Day, IIM Hyderabad, organized by IIM Hyderabad, November 13-16, 2011
4. National Conference on New Materials and Processes for Improving Quality of Infrastructure organized by Indian Association for Productivity, Quality and Reliability, Kolkata and SEST, UoH, October 19 – 20, 2012
5. Evaluation and Prevention of Corrosion and Failures, organized by TRAERF and SEST, UoH, November 29-30, 2012
6. Refresher Course "Mathematical Modelling and Simulations for Engineers and Scientists", organized by UGC-ASC, JNTU, Hyderabad December 2-21, 2013
7. 3-Day Workshop on "Fatigue, Fracture and Life Extension", organized by Society of Failure Analysis at DMRL, DRDO, Hyderabad, January 29 – 30, 2014
8. National Seminar on "Crystallography for Materials Scientist", organized by DMRL, Hyderabad and Electron Microscopy Society of India, Hyderabad Chapter during September 1-2, 2014
9. National Conference on "Specialty Steels for Strategic Sector", organized by DMRL, Hyderabad and IIM Hyderabad Chapter during December 5 – 6, 2014
10. 53rd NMD and 60th ATM of IIM with theme on New Horizons in Materials Processing and Applications, organized by IIM, November 13-16, 2015
11. International Conference and Expo on Magnesium and its alloys, "IMagCon 2016", organized by IIM-Chennai Chapter and VIT, Chennai Campus, February 04-06, 2016
12. Workshop on "Advanced Engineering Materials: An Industry Perspective", organized by SEST, UoH on November 25, 2016

Any Other Contribution:

1. Delivered a Talk on "Fundamentals of Mineral Processing" at 2-Weeks Workshop on "Metallurgy for Non-Metallurgist", organized by MIDHANI, Hyderabad on April 21, 2017