

Dr. Amit Jugalkishorji Agrawal

Assistant Professor,

Department of Petrochemical Technology,

Laxminarayan Institute of Technology,

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

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Academic Qualifications:

Ph. D. (Chemical Technology)

Laxminarayan Institute of Technology,

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur: 2022

M. Tech. (Petrochemical Technology),

Laxminarayan Institute of Technology,

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur: 2009

B.Tech. (Petrochemical Technology),

Sant Gadge Baba Amravati University, Amravati: 2007

Research Interests:

Biolubricants, Biofuels, Waste Plastic Management.

Positions Held in Past: (Professional (Teaching) Experience)

- **11th Oct. 2013– Till date:** Assistant Professor, Department of Petrochemical Technology, Laxminarayan Institute of Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
- **1st Jan. 2011 to 10th Oct. 2013:** Assistant Professor (Adhoc.), Department of Chemical Engineering, Bharati Vidyapeeth College of Engineering, Kharghar, Navi Mumbai.
- **16th Nov 2009 to 31st Dec 2010:** Lecturer (Contract Basis), Department of Chemical Engineering, Government Polytechnic Pen, Raigad.

Research / Industry Experience:

- Successfully completed Research Project of Rs. 3,00,000/- on “Structural Modification of Non Edible Oils- Synthesis and Applications” sponsored by RTM Nagpur University, Nagpur during 29th September 2016 to 31st March 2019.
- Successfully completed Consultancy Project from Forest Department, TATR Region, Chandrapur of amount INR. 5,00,000/- for “Installation of Commercial Bamboo Carbonization Furnace in TATR region” in 2020.
- Successfully completed Consultancy Project from Maharashtra Bamboo Development Board, Nagpur of amount INR. 2,00,000/- for “Extraction of Fibres from Bamboo & Value Addition of Bamboo Charcoal” in 2020.
- Successfully completed Consultancy Project from Vidarbha Sales, Nagpur of amount INR. 50,000/- for “Testing of Bio-oil Extracted from Bamboo and its upgradation” in 2019.
- Successfully completed Consultancy Project from Maharashtra Bamboo Development Board, Nagpur of amount INR. 9,00,000/- for “Synthesis of Activated Carbon from Bamboo and its Industrial Applications” 2019-20.
- Ongoing Consultancy Project Automation Manifold Pvt. Ltd. on “Sonication of MWCNT for various Industrial Applications” of amount Rs. 2,00,000/-

Conference / Seminar / STTP/ Workshops Attended: -

1. Successfully completed Pre-Ph. D. course work organised by Human Resource Development Centre, RTM Nagpur University, Nagpur during 5th Dec 2017 to 15th Dec 2017.
2. Participated in UGC Sponsored Refresher Course, at Human Resource Development Centre, RTM Nagpur University, Nagpur during 4th Jan 2019 to 24th Jan 2019.
3. Participated in UGC Sponsored Orientation Programme, at Human Resource Development Centre, RTM Nagpur University, Nagpur during 28th Jan 2015 to 24th Feb 2015.
4. Participated in workshop on “Patents and Related Issues” organised by Patent Cell, Technology Park RTM Nagpur University, Nagpur during 28th Oct 2013 to 29th Oct 2013.
5. Participated and presented poster in International Conference on “Energy and Environmental Challenges (CE₂C-2019)” during 18th Jan 2019 to 19th Jan 2019.
6. Participated in the One Week Faculty Development Programme on "Research Methodology: Tools and Techniques", organised by the Department of History, M.V.Muthiah Government Arts College for Women, Dindigul, Tamil Nadu from 18.06.2020 to 24.6.2020.
7. Participated in 5-Days online FDP on “Development and Impact of Recent Technologies & Innovations in Chemical Engineering” from June 21-25, 2020 organised by Department of Chemical Engineering, Mahatma Gandhi Mission's College of Engineering & Technology, Kamothe, Navi Mumbai.
8. Participated in one-week online Faculty Development Program on “Challenges and Opportunities in Recent Emerging Technologies” held from 6 to 10 July 2020, Sponsored by TEQIP-III and organized by Department of Chemical Engineering, SGGSIET, Nanded, Maharashtra (India).
9. Participated & successfully completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 2020-12-14 to 2020-12-18 at Institute of Engineering & Technology.
10. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Five days FDP on Green Technology & Sustainability Engineering" from 23/08/2021 to 27/08/2021 at Bharati Vidyapeeth College of Engineering, Navi Mumbai.

Research Papers

Agrawal, A. J.; Kadambande R. Comparative Study of Gasoline Blended with Various Components in an S.I. Engine. International Journal of Innovative and Emerging Research in Engineering; 2016.

Agrawal, A. J.; Chakole, N. P.; Arekar, P. S. Recovery of Liquid Hydrocarbons by Catalytic Depolymerization of Waste Plastic and Blending with Automotive Fuel. International Research Journal of Engineering & Technology; 2017.

Agrawal, A. J.; Karadbhajne, V. Y.; Chakole, N. P.; Arekar, P. S. Synthesis of Biolubricants from Non Edible Oils. International Research Journal of Engineering & Technology; 2017.

Agrawal, A. J.; Karadbhajne, V. Y.; Agrawal, P. S.; Gupta, M.; Dhobale, Y.; Thakur, T. Biolubricant Base Stock Synthesis from Nontraditional (Mahua) Oil Using Modified Glycerol. International Journal of Innovations in Engineering Research and Technology; 2017.

Agrawal, A. J.; Karadbhajne, V. Y.; Agrawal, P. S.; Jerpoth, S. S. Transesterification of Methyl Esters of Non-Edible Oils for Synthesizing Biolubricants. Journal of Emerging Technologies and Innovative Research; 2018.

M.Tech. Students Guided: 07 Completed