

Curriculum Vitae

Name: Dr. Dipak Ashok Jadhav

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Date of Birth: 08/11/1988

Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
Ph.D.	Water Resource Engineering	IIT Kharagpur	IIT Kharagpur	2017	-	-
M.E./ M. Tech.	Water Management	IIT Kharagpur	IIT Kharagpur	2012	9.1	First Class with Dist.
B.E./B.Tech.	Agricultural Engineering	Dr ASCAE, Rahuri	MPKV, Rahuri	2010	8.35	First Class

M. Tech. Project: Energy recovery from sediment using sediment microbial fuel cells

Ph. D. Research: Performance enhancement of microbial fuel cells through electrode modifications along with development of bioelectric toilet

Key Research Areas:

Wastewater treatment,
Microbial fuel cells,
Bioelectrochemical System,
Bioenergy Research (Waste to energy),
Environmental engineering, Water Management

Experience

Sr. No.	Organization	Post	From	To	No. of Years
1	Maharashtra Institute of Technology, Aurangabad	Assistant Professor	June 2018	till date.	1.5
2	Hi-Tech Institute of Technology, Aurangabad	Assistant Professor	Jan. 2018	to June 2018	0.5
3	NIT Arunachal Pradesh	Research consultant	Aug., 2017	to Nov. 2017	0.3

List of Courses Taught/Teaching at UG level

- Soil & Water conservation Engineering
- Soil Conservation structure Design
- Watershed Hydrology & Management
- Surveying & Leveling
- Watershed planning & Management
- Water Resource Engineering
- Environmental Engineering
- Fundamentals of Bioenergy

List of Courses Taught/Teaching at PG level

Nil

Additional Assignments/Duties

At Maharashtra Institute of Technology, Aurangabad (2018-20)

- Departmental AICTE Coordinator
- Techno-MIT 2k19 Project Coordinator
- Departmental NBA Coordinator
- Departmental Research Coordinator
- Departmental Timetable Coordinator
- BAMU Academic and administrative audit institute criteria member
- Departmental UG Coordinator
- Departmental Lab-In-Charge (APE lab & IDE Lab)
- Academic monitoring committee members
- Project In-Charge

Membership of Professional Bodies

- The Institution of Engineers (India)- Associate Member (AM159381-4)
- Member of Bioelectrochemical society
- Indian Society of Agricultural Engineering- Life member
- Express, an International Journal of Multidisciplinary Research
- Asia-Pacific Chemical, Biological and Environmental Engineering Society (APCBEES)
- International Association of Engineers, Hong Kong
- International Association of Computer Science and Information Technology (IACSIT), Singapore
- International Society for Environmental Information Sciences, Canada
- Royal Agricultural Society of England
- International Association for Hydrogen Energy (IAHE), USA - Student Member

Research Projects/Projects Guided

- Performance enhancement of microbial fuel cells through electrode modifications along with development of bioelectric toilet
- Energy recovery from sediment using sediment microbial fuel cells.
- Waste to Watt (UG)
- Internet of things (IoT) based smart irrigation system for increasing crop yield with optimal use of irrigation water (UG)
- Extraction of anthocyanin from eggplant peel and product formation (PG)

Computer/Software Proficiency

- MS office (MS Excel, MS Word, MS Power point)
- Statistica (Statistical Analysis)
- Origin Pro
- Endnote

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference Attended

Conferences attended:

- 1) Jadhav D.A., Ghangrekar M. 2013. Effect of biofilm transfer on power generation of sediment microbial fuel cell, International conference BioPack 2013, Feb., 2013, Mumbai, India.

- 2) Swagatam Das, Dipak A. Jadhav, M.M. Ghangrekar 2013. Comparison of air cathode microbial fuel cells packed with lignite and GAC as anodic bed materials and scaling up of bioelectric septic tank MFC. Conference on Sustainable Water Resources Development and Management (SWARDAM-2013), Government College of Engineering, Aurangabad, India.
- 3) Jadhav D.A., Ghangrekar M.M. 2013. Effect of salinity, acetate addition and alteration of sediment on performance of benthic microbial fuel cells, National Conference on Recent Advances in Bio-energy Research, Organized by Sardar Swaran Singh National Institute of Research, Kapurthala, Punjab, India.
- 4) Jadhav D.A., Pandit S., Ghadge A. N., Das D., Ghangrekar M. M. 2013. Performance comparison between mixed and pure culture used as inoculum in air cathode earthen pot microbial fuel cells, 10th National Conference on solid state Ionics, Indian Institute of Technology (IIT) Kharagpur, West Bengal, India.
- 5) Jadhav D.A., Ghangrekar M.M. 2014. Effect of electrode spacing and electrode material on performance of sediment microbial fuel cells, International Conference on Renewable Energy and Sustainable Development (ICRES D 2014), Pune, India.
- 7) Ghadge A.N., Jadhav D.A., Pradhan H., Ghangrekar M.M. 2014. Waste activated sludge digestion and electricity generation in clayware microbial fuel cell, International Conference on Energy and Environment, JNTU Hyderabad, Dec. 15-17.
- 8) Jadhav D.A., Ghadge A.N., Ghangrekar M.M. 2015. Effective utilization of recovered goethite from mining effluent to enhance performance of low cost earthenware microbial fuel cells, 3rd Water Research Conference, China, Jan. 11-14.
- 9) Jadhav D.A., Mondal S., Ghangrekar, M.M. 2015. Feasibility of battery separator in microbial fuel cells, First International conference on recent advances in bio-energy research, Kapurthala, Punjab, India, March 14-17.
- 10) Rajesh P.P., Jadhav, D.A., Ghangrekar, M.M. 2015. Utilization of marine algae as substrate and methanogen inhibitor in microbial fuel cell. Poster and prototype presented during Gandhian Young Technological Innovation Award/Appreciation at Rashtrapati Bhavan, New Delhi, India, March 7-8.
- 11) Jadhav D.A., Jain, S.C., Ghangrekar M.M. 2015. Bioelectricity generation with simultaneous sulfate and organic matter removal in low cost clayware microbial fuel cell, International Conference on New Horizons in Biotechnology, Thiruananthapuram, India, Nov. 22-25.

- 12) Jadhav D.A., Pandit S., Ghangrekar M. M. 2015. Synergistic association of the microbial inoculums for treatment of lactate based wastewater using earthen pot microbial fuel cells, Second International Conference on Environment Technology & Energy, Colombo, Sri Lanka, Nov. 22-23.
- 13) Jadhav D.A., Ghangrekar M.M. 2015. Bioelectric toilet (Bio-electrochemical septic tank system): A novel approach for treatment of human waste and generating onsite electricity, Second International conference on Terra Preta Sanitation, BITS Pilani, Goa, India, Nov. 18-19.
- 14) Ghadge A. N., Jadhav D.A., Ghangrekar M. M. 2015. Preparation of ceramic separator from clay enriched with exchangeable cations for single chamber microbial fuel cells, International Conference on Ceramics and Advanced materials for Energy and Environment, Bangalore, India, Dec. 14-17.
- 15) Jadhav D.A., Ghangrekar M.M. 2016. Bio-electrochemical septic tank MFC with super-capacitive power management system, International workshop on electrochemical storage system (IWEES-2016), IIT Kharagpur, India, Feb. 17-20.
- 16) Jadhav D.A., Ghangrekar M.M. 2016. Scalable stacked bioelectric toilet microbial fuel cell for treatment of human waste and charging the mobile phone battery, International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE-2016), IIT Kharagpur, Dec. 27-31.
- 17) Jadhav D.A., Ghangrekar M.M. 2016. Bioelectric toilet microbial fuel cell capable to generate bioelectricity during treatment of human waste, International Conference on “21st Century Energy Needs – Materials, Systems and Applications 2016, IIT Kharagpur, India, Nov. 18-21.
- 18) Jadhav D.A., Ghangrekar M.M. 2016. Research development on microbial fuel cell at IIT Kharagpur, Network on Decentralized Grey Water Treatment and recycling (GreyNet) meeting, IISc Bangalore, India, July 5-7.
- 19) Jadhav D.A., Ghadge A. N., Ghangrekar M. M. 2017. Assessment of ceramic separator blended with exchangeable cations for air cathode microbial fuel cells, International Conference on Functional Electroceramics and Polymers (ICEP-2017), IIT Kharagpur, India, Feb. 2017.
- 20) Jadhav D.A., Ghangrekar M.M. 2017. Charging mobile phone battery and electricity generation along with simultaneous treatment of human waste using advanced smart Bioelectric toilets for rural India, poster presented at India International Science Festival – 2017 under the theme of Swachh Bharat, Oct 13-16, 2017.

- 21) Das, I., Jadhav D.A., Ghangrekar M.M. 2017. Smart microbial fuel cell - bioelectric toilet technology (MFC-BTT) for human waste treatment, wastewater reuse and simultaneous electricity recovery for illuminating toilets in remote areas, Presented during Swachhathon 1.0 (Swachh Bharat Hackathon) Award, under category of Early decomposition of faecal matter by Ministry of Drinking Water and Sanitation (Govt. of India), Delhi, September 2017.
- 22) Das, I., Jadhav D.A., Ghangrekar M.M. 2018. Scaling up of microbial fuel cell for treatment of human waste to develop bioelectric toilet, International conference on Sustainable Technologies for Intelligent Water Management (STIWM-2018), IIT Roorkee, Feb. 16-19.
- 23) Neethu, B., Goutam, P.K., Jadhav D.A., Ghangrekar M.M. 2018. Simultaneous Nutrient Removal, Algal Biomass Production and Electricity Generation in Microbial Carbon Capture Cell, International conference on Sustainable Technologies for Intelligent Water Management (STIWM-2018), IIT Roorkee, Feb. 16-19.
- 24) Das, I., Jadhav D.A., Ghangrekar M.M. 2018. Bioelectric Toilet: Novel sustainable bioelectrochemical technology for generating electricity during treatment of human waste. INDO-EU workshop on "The Recent Developments In Microbial Fuel Cell And Membrane Bioreactor Technology", Feb. 2-3, IIT Kharagpur.
- 25) Goutam, P.K., Jadhav D.A., Neethu, B., Ghangrekar M.M. 2018. Effect of different algal biomass concentrations on performance of low-cost clayware microbial carbon-capture cell. INDO-EU workshop on "The Recent Developments In Microbial Fuel Cell And Membrane Bioreactor Technology", Feb. 2-3, IIT Kharagpur.
- 26) Ghadge A. N., Jadhav D.A., Das, I., Ghangrekar M. M. 2018. Development of ceramic separator blended with exchangeable cations to enhance the performance single chambered microbial fuel cells. INDO-EU workshop on "The Recent Developments In Microbial Fuel Cell And Membrane Bioreactor Technology", Feb. 2-3, IIT Kharagpur.
- 27) Jadhav D.A., Das, I., Ghangrekar M.M. 2018. Moving from lab scale towards field scale application of microbial fuel cells, INDO-EU workshop on "The Recent Developments In Microbial Fuel Cell And Membrane Bioreactor Technology", Feb. 2-3, IIT Kharagpur.
- 28) Ghadge A. N., Sayed A., Jadhav D.A. 2018. Bio-electrochemically Supported Artificial Floating Islands: Novel approach for Heavy Metal Removal, Wastewater Treatment and Energy Recovery. INDO-EU workshop on "The Recent Developments In Microbial Fuel Cell And Membrane Bioreactor Technology", Feb. 2-3, IIT Kharagpur.

- 29) Das, I., Jadhav D.A., Noori Md. T., Ghangrekar M.M., Rajakumar, A. 2018. Different catalyst combinations investigations for field scale applicability in bioelectric toilet microbial fuel cell, Second International Conference on Anaerobic Digestion Technology: Sustainable Alternative Bioenergy for a stable life (ADTech-SAB2018), Chiang Mai, Thailand, June 4-7.
- 30) Jadhav D.A., Das, I., Ghangrekar M.M. 2018. 100 L and 1.5 m³ capacity advanced bioelectric toilet: Performance evaluation of field scale microbial fuel cell, Fourth Asian Pacific Conference of International Society for Microbial Electrochemistry and Technologies (AP-ISMET 2018), BITS Pilani, Goa, India, Nov. 13-16.
- 31) Jadhav D.A., Dhok, K., Bhomle, T., Deshpande, S., Khot, M, 2018. Waste to Watt: Microbial electricity generation from kitchen wastewater using advanced bioelectrochemical system (Biobattery), Innovation lane activity by TEDx, JNEC Aurangabad, India, Sept. 28-19.
- 32) Jadhav D.A., Dhok, K., Bhomle, T., Deshpande, S., Khot, M, 2019. Biobattery: Microbial electricity generation from kitchen wastewater using advanced bioelectrochemical system, The Fourth International conference on creativity and innovation at/for/from/with grassroots [ICCIG 4], Indian Institute of Management, Ahmedabad, Jan. 28-30.
- 33) Dipak A. Jadhav, Mouzam Khot, Ashvini D. Chendake, 2019. Application niche of microbial fuel cell as a bio-energy source for sustainable development, National Conference of Materials and Technology for Applications (MATA-2019), Maharashtra Institute of Technology, Aurangabad, India, Aug. 22-23.
- 34) Dipak A. Jadhav; Mouzam Khot; Deshpande Siddhant, 2019. Recovering electricity during effective treatment of kitchen wastewater using advanced bioelectrochemical system, Swchha Bharat theme, India International Science Festival (IISF)-2019, Kolkata, Nov. 5-8.

Workshop attended

- IGCS DAAD-Alumni Workshop- Globalization, Sustainability, Lifestyles – “Think globally, act locally”, IIT Madras, Chennai, India, Nov. 6-7, 2014
- Authors Workshop by Springer “How to write & publish scholarly articles” 2014, 2015, IIT Kharagpur, India
- Workshop on “Protection of copyright and patents”, Feb. 21-22, 2015, IIT Kharagpur, India

- Workshop on SciFinder and its new applications, IIT Kharagpur, India, January 2014.
- INDO-EU workshop on "The Recent Developments In Microbial Fuel Cell And Membrane Bioreactor Technology", Feb. 2-3, IIT Kharagpur (Invited speaker).
- Two days workshop on Research Methodology and Data Analysis Techniques, March 29-30, 2019, Marathwada Institute of Technology Aurangabad, India
- India-UK Water Center sponsored Workshop: Safe and Sustainable Technologies and Strategies for Integrated Freshwater Resource Management, 25– 28 June 2019, Mysuru, India

Short term courses/FDP attended

- International Course on Advanced Technologies for Waste Water Treatment and Recycling, July 2014, IIT Kharagpur, India.
- GIAN Course on Environmental Electrochemistry, June 2016, IIT Kharagpur, India.
- Short term course on Introduction to Life Cycle Assessment: From Theory to Practical Applications, September 2016, IIT Kharagpur, India.
- Short term training program on Treatment of Waste: Issues, Challenges and problem solving, March, 27-31, 2017, College of Engineering, Pune, Maharashtra, India.
- GIS training program on Introduction to ArcGIS 9.3.1 and Extensions, ESRI India, New Delhi, India, September 2010
- Faculty Development Program on Analytical Testing and Characterization, Department of Plastic and Polymer Engineering, Maharashtra Institute of Technology, Aurangabad, Maharashtra, July 02-09, 2018.
- Faculty Development Program on Statistical Techniques in Data Analysis, Department of Agricultural Engineering, Maharashtra Institute of Technology, Aurangabad, Maharashtra, July 09, 2018.

Summer training attended

- Central Farm Machinery Training and Testing Institute, Tractor Nagar, Budni, Madhya Pradesh, India, June 2008
- Central Institute of Post Harvest Engineering and Technology, Ludhiana, Punjab, India, June 200;

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference organized

- Faculty Development Program on Statistical Techniques in Data Analysis, Department of Agricultural Engineering, Maharashtra Institute of Technology, Aurangabad, Maharashtra, July 09, 2018.

Invited talks delivered

1. Delivered Expert Talk at National Institute of Technology Surat, June 2019
2. Delivered Expert Talk at Pondicherry University, Pondicherry during DST-SERB sponsored workshop on “Bioelectrochemical technologies for waste to energy and resource recovery” from July 22 – 24, 2019.
3. Delivered Expert Talk at IIT Kharagpur during SPARC funded workshop on "Upscaling and field scale application of bio-electrochemical systems for wastewater treatment and bioenergy recovery" from Feb. 26-17, 2020

Projects, Research Grants and Consultancy

- Research Project: Bioelectro-urinals: A novel approach towards harvesting electricity from human urine using advanced microbial fuel cell during urine treatment, Submitted to SERB-DST, Govt. Of India (74.2 Lacs)

Intellectual Property Rights

Nil

List of Research Publications

Papers in National/ International Journal

- Jadhav D.A., Ghadge A.N., Mondal D., Ghangrekar M.M. 2014. Comparison of oxygen and hypochlorite as cathodic electron acceptor in microbial fuel cells, *Bioresource Technology*, 154, 330-335 (Impact factor – 6.67).
- Jadhav D.A., Ghadge A.N., Ghangrekar M.M. 2014. Simultaneous secondary treatment and disinfection with enhanced power generation in microbial fuel cells, *Bioresource Technology*, 163, 328-334 (Impact factor – 6.67).
- Rajesh P.P., Jadhav, D.A., Ghangrekar, M.M. 2015. Improving performance of microbial fuel cell while controlling methanogenesis by *Chaetoceros* pretreatment of anodic inoculum, *Bioresource Technology*, 180, 66-71 (Impact factor – 6.67).

- Ghadge A.N., Jadhav D.A., Pradhan H., Ghangrekar M.M. 2015. Enhancing waste activated sludge digestion and power production using hypochlorite as catholyte in clayware microbial fuel cell, *Bioresource Technology*, 182, 225-231 (Impact factor – 6.67).
- Jadhav D.A., Ghangrekar M.M. 2015. Effective ammonium removal by anaerobic oxidation in microbial fuel cells, *Environmental Technology*, 36(6), 767-775 (Impact factor – 1.92).
- Jadhav D.A., Ghangrekar M.M. 2013. Effect of biofilm transfer on power generation in sediment microbial fuel cell, *International Journal of Environmental Sciences*, 2(1), 53-60 (Impact factor – 0.7).
- Jadhav D.A., Ghadge A.N., Ghangrekar M.M. 2015. Enhancing the power generation from microbial fuel cells with effective utilization of goethite recovered from mining mud, *Bioresource Technology*, 191, 110-116 (Impact factor – 6.65).
- Ghadge A. N., Jadhav D.A., Ghangrekar M. M. 2016. Wastewater treatment in pilot-scale microbial fuel cell using multi-electrode assembly with ceramic separator suitable for field applications, *Environmental Progress and Sustainable Energy*, 35(6), 1809-1817 (Impact factor – 1.59).
- Jadhav D.A., Jain, S.C., Ghangrekar M.M. 2016. Cow's urine as a yellow gold for bioelectricity generation in low cost clayware microbial fuel cell, *Energy*, 113, 76-84 (Impact factor – 5.537).
- Jadhav D.A., Deshpande, P.A., Ghangrekar M.M. 2017. Enhancing the performance of single-chambered microbial fuel cell using manganese/palladium and zirconium/palladium composite cathode catalysts, *Bioresource Technology*, 238, 568-574 (Impact factor – 6.65).
- Jadhav D.A., Jain, S.C., Ghangrekar M.M. 2017. Simultaneous wastewater treatment, biomass production and electricity generation in clayware microbial carbon capture cells, *Applied Biochemistry and Biotechnology*, 183(3), 1076-1092 (Impact factor – 2.14).
- Jadhav D.A., Ghosh Ray S., Ghangrekar M.M. 2017, Third generation in bioelectrochemical system research - A systematic review on mechanisms for recovery of valuable by-products from wastewater. *Renewable and Sustainable Energy Review*, 76, 1022-1031 (Impact factor – 10.556).

- Jadhav D.A., Ghangrekar M.M. 2018. Optimizing the proportion of pure and mixed culture in inoculum to enhance the performance of microbial fuel cells, *International Journal of Environmental Technology and Management* (Accepted).
- Mathuriya A.S., Jadhav D.A., Ghangrekar M.M. 2018. Architectural adaptations in microbial fuel cells, *Applied Microbiology and Biotechnology*, 102 (22), 9419-9432 (Impact factor – 3.67).
- Jadhav D.A., Chendake A.D., Schievano, A., Pant, D. 2019. Suppressing methanogens and enriching electrogens in bioelectrochemical systems, *Bioresource Technology*, 277, 148-156 (Impact factor – 6.65).
- Jadhav D.A., Chendake A.D., 2019. Advance microbial fuel cell for waste to energy recovery: Need of future era for sustainable development, *International Journal of Alternative Fuels and Energy*, 3(1), 22-24 (Editorial article).

Books/ Book Chapter

- Jadhav D.A., Ghangrekar M.M. 2014. Effect of salinity, acetate addition and alteration of sediment on performance of benthic microbial fuel cells, *Recent Advances in Bio-energy Research, Vol-III*. (ISBN 978-81-927097-2-7), Sardar Swaran Singh National Institute of Research, Kapurthala, Punjab, India.
- Jadhav D.A., Ghangrekar M.M. 2014. Effect of electrode spacing and electrode material on performance of sediment microbial fuel cells, *Renewable Energy and Sustainable Development*, NOVA publications, USA (ISBN: 978-1-63463-464-9).
- Jadhav D.A., Ghangrekar M.M., Duteanu, N. 2018. Microbial Fuel cell: An overview and recent progress towards scaling up, *Microbial fuel cell: A bioelectrochemical system that converts waste to watts*, Capital Publishing, New Delhi, India and Springer Publications, Cham, Switzerland (ISBN 978-3-319-66793-5), pg. 443-457.
- Jadhav D.A., Neethu B., Ghangrekar M.M. 2019. Microbial carbon capture cell: Advanced bioelectrochemical system for wastewater treatment, electricity generation and algal biomass production, *Application of Microalgae in Wastewater Treatment: Domestic and Industrial Wastewater Treatment: Biorefinery Approaches of Wastewater Treatment*, (Vol. 2), Springer International Publishing AG, Cham, Switzerland, ISBN: 978-3-030-13908-7.
- Pandit S., Chandra K.S., Jadhav D.A., Ghangrekar M.M., D. Das, 2019. Contaminant removal and energy recovery in microbial fuel cell, *Microbial Biodegradation of Xenobiotic Compounds*, CRC Press, ISBN: 1351721992.

- Sajana T.K., Soumya Pandit, Dipak A. Jadhav, Md. Abdullah-Al-Mamun, Elvis Fosso-Kankeu. 2018. Sediment microbial fuel cell for wastewater treatment:A new approach, New Horizons in wastewater Management: Emerging Monitoring and Remediation Strategies, Nova Science Publishers, USA, ISBN: 978-1-53615-659-1.
- Sevda, S., Jadhav, D.A., Jeevan Kumar, S.P, Sreekrishnan, T.R. 2019. Microalgae for Sustainable Fuel Technology Coupling Photobioreactor and Bioelectrochemical System for Microalgae Cultivation and Hydrogen Generation, Handbook of Algal Technologies and Phytochemicals, Volume II Phycoremediation, Biofuels and Global Biomass Production, CRC Press, ISBN: 9780367178192.

Papers in National /International Conference Proceedings

Nil


NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance

Awards, Achievements and Recognition

- Received Promising Engineers Award – 2019 of Institute of Engineers India (IEI) – Ahmednagar centre, Maharashtra, India, Sept. 15.
- Received Young Engineers Award – 2019 of Institute of Engineers India (IEI) during National Convention at Bangalore, India, August 17-18.
- Received Gandhian Young Technological Innovation Award/Appreciation at Rashtrapati Bhavan, New Delhi, India, March 2018.
- Received Swachhathon 1.0 Award by Ministry of Drinking Water and Sanitation (Govt. of India), Delhi, September 2017.
- Received Gandhian Young Technological Innovation Award/Appreciation at Rashtrapati Bhavan, New Delhi, India, March 2015.
- Received International Travel Support grant from Department of Science and Technology, Govt. of India to attend International conference in Sri Lanka, Nov. 2015.

- Silver Medal for Post Graduate studies in IIT Kharagpur, India, 2012.
- Master project work in Germany under ‘DAAD (German Academic Exchange Service)’ scholarship, 2011-2012.
- DAAD scholarship for Indo-German Centre for Sustainability (IGCS) summer school, Stuttgart, Germany, 2014.
- Institute MHRD fellowship for M. Tech. and PhD, IIT Kharagpur, India.
- DAAD scholarship for IGCS workshop, Chennai, India, 2014.
- Top poster presenter in India International Science Festival – 2017 under the theme of Swachh Bharat (SYPOG).
- Second price in paper presented in International conference BioPack 2013, Mumbai, India.
- Best paper presentation Award in International Conference on Renewable Energy and Sustainable Development (ICRES D 2014), Pune, India
- Best paper presentation Awards.
- Reviewer for Journals: 17 (International)
- Editorial board member: 05 Journals (International)



Date: February 25, 2020

Place: Aurangabad