

Name of Faculty Dr. Anitha M
 Designation Assistant Professor
 Nature of Job/Appointment Contract (30/04/2022)
 Date of Joining 27/06/2019
 E-mail anitha_chem@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Chemical Engineering)	Awarded
PG	M. Tech (Chemical Engineering)	First/Distinction
UG	B. Tech (Chemical Engineering)	First/Distinction

Work Experience

Teaching	5 Years 6 months
Research	10 months
Industry	--
Others	--

Area of Specialization Process Modeling Simulation and Optimization

Professional Memberships --

Responsibilities held at Institution Level SUDHEE -2021- CYBER COMMITTEE MEMBER

Responsibilities held at Department Level SUDHEE-2021 (CHEMSPARK 21) coordinator
 Class teacher-2020-21 for III Semester

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Material and Energy balance computations
 Process Modelling Simulation and optimization
 Chemical Engineering Thermodynamics-II
 Chemical Reaction Engineering-II

No. of Papers Published National Journals – Nil International Journals – 8
 National Conference – Nil International Conference – 8

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker(Few Important/Prominent) --

No. of Books/Chapter Published with details --

Short term courses/FDP/ Work shops attended

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).

1. Online 1 week national level FDP on Outcome Based Education: A Step towards excellence, organized by Govt. College of Engg., Karad, (Satara) MH and Rajkiya Engg. College, Azamgarh, UP (Mentee Institute), Sponsored by AICTE New Delhi, online platform CISCO-WEBEX, during 11/05/2020 to 15/05/2020.
2. 'Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' on 16 May 2020 has attended the interaction session and successfully completed both pre and post workshop online activities, involving 3 days of video lectures and hands-on work. This workshop is being organized by the Teaching Learning Centre (ICT) at IIT Bombay

3. Attended 5 day National level Online Faculty development programme on "Artificial Intelligence" organized by CBIT in collaboration with Brain-O-Vision India Pvt. Ltd. during 22/05/2020 to 26/05/2020.
4. Successfully completed a One week Faculty Development program on "Outcome Based Education and NBA Accreditation Process (UG)", during 28-05-2020 to 01-06-2020
5. Attended 5 day National level Online FDP on "Domestic and Industrial Water and Waste Water Treatment" by B V RAJU INSTITUTE OF TECHNOLOGY, during 6/6/2020 to 10/6/2020
6. Online L4G Courseera 7 weeks Course on "Programming for Everybody (Getting Started with Python)"
7. Online L4G Courseera 4 weeks Course on "Fundamentals of Macroscopic and Microscopic Thermodynamics"
8. Online L4G Courseera 4 weeks Course on "Neural Networks and Deep Learning"
9. Online L4G Courseera 4 weeks Course on "Convolutional Neural Networks"
10. Online L4G Courseera 4 weeks Course on "Introduction to Data Science in Python"
11. Online 12 week SWAYAM-NPTEL certification course on "Advanced Thermodynamics" (IIT Guwahathi)
12. Online 8 week SWAYAM-NPTEL certification course on "Data Science for Engineers" (IIT Madras)
13. Online 8 week SWAYAM-NPTEL certification course on "Data Mining" (IIT Kharagpur)
14. Online 8 week SWAYAM-NITTT Module 1 on "Orientation towards Technical Education and Curriculum Aspects"
15. Online 8 week SWAYAM-NITTT Module 7 on "Creative Problem Solving Solving, Innovation and Meaningful R&D"
16. Successfully completed 100% of the self-paced training course "Deep Learning Onramp" by MathWorks
17. Attended AICTE QIP Short term course on "Data Analysis for Modelling of Chemical and Biochemical Reaction Systems Theory to Practice" at IIT Madras during 2/12/2019 to 7/12/2019
18. Organized 2 days National workshop as convener on "Recent advances in Chemical Process Simulation using Aspen Plus" during 26/09/2019 to 27/09/2019
19. Two days workshop on "Python Programming For Engineering Applications" organized by Dept. of MCA, CBIT Campus during 26/07/2019 to 27/07/2019
20. Attended GIAN course on "Chemical Vapour Deposition" organized by University college of Technology (A), Osmania University during 14/09/2018 to 21/09/2018.

Details of Journal
Publications/ Conferences
(National and
International)

International Conferences since 2017:

1. V. Chaitanya, M. Harshith, A. Mogilicharla, Optimization of enzymatic hydrolysis of

lignocellulosic biomass, RACE-2020, 8th and 9th January 2020, Osmania University

2. A. Mogilicharla, S. Pregnapuram, Kinetic modeling of simultaneous esterification and transesterification from rapeseed oil for the biodiesel production, INCEEE 2019, February 15-16, NIT Warangal. (*Got best paper award in oral presentation*).
3. A. Mogilicharla, S. Pregnapuram, Optimization study of esterification of ethylene glycol with acetic acid, INCEEE 2019, February 15-16, NIT Warangal.
4. A. Mogilicharla, P S Reddy, Data-Driven Modeling of Biodiesel Production Using Artificial Neural Networks, GEES 2020, NIT Calicut.

International Journals since 2017:

1. A. Mogilicharla, P. S. Reddy, "Kinetic modeling and development of optimal trajectories for biodiesel production using multi-objective optimization", Environmental Technology & Innovation, 20, pp. 101111, November-2020.
2. A. Mogilicharla, P. S. Reddy, " Data-Driven Modeling of Biodiesel Production Using Artificial Neural Networks", Chemical Engineering & Technology, 44(5), pp. 901-905, May 2021.