

Name of Faculty Dr. S.Sumithra
 Designation Asst. Professor
 Nature of Job/Appointment Regular
 Date of Joining 28 - 06 - 2010
 E-mail ssumitra_biotech@cbit.ac.in



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

Work Experience

Teaching	13 Years
Research	--
Industry	--
Others	--

Area of Specialization Chemical Engineering
 Professional Memberships Life Member (LM 2640), The Biotech Research Society, India.
 Responsibilities held at Institution Level --

1. As, Department placement coordinator, record student progression into higher studies and placements. Conduct various preplacement training activities.
2. As Department Alumni coordinator, interaction with alumni in improving placements of the department.
3. Class coordinator of B.Tech III/IV to ensure smooth conduct of the class work.
4. Maintaining student project list and file.
5. Coordinate with library for procuring new books and looking after the departmental library.
6. Collect information from VIII Semester students regarding their admission into higher studies along with proofs and maintain files. Guide the students towards right opportunities.
7. Collect ARIIA-department related data along with proofs.
8. Review the syllabus, introduce new subjects, frame COs as per Blooms Taxonomy
9. Interacting with stakeholders regarding the improvement of POs, PSOs and PEOs
10. Interact with experts from academia and industries for new Curriculum design
11. Interacting with stakeholders regarding the improvement of POs, PSOs and PEOs
12. Coordinate with the industries for setting the MoU with department
13. Motivate and council the students for career development and maintain the record for the assigned students
14. Overall coordinator for UHV activities in the department.

Responsibilities held at Department Level

Research Guidance --
 Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Process Principles and Reactions Engineering, Thermodynamics for Biotechnologists, Fluid mechanics and Heat transfer, Mass Transfer Operations, Pharmaceutical biotechnology, Bioprocess Economics and Plant Design, Computer applications in Bioprocess industries, Bio reactions Engineering, Fluid mechanics and Heat transfer Lab, Mass Transfer Operations lab.

No. of Papers Published National Journals – -- International Journals – 04
National Conference – -- International Conference – --

Projects Carried out --

Patents

Technology Transfer --

Invited Speaker

No. of Books/Chapter Published with details

1. Attended 77th Orientation Course during 17th October 2013 to 16th November 2013 conducted by Academic staff college, Osmania University, Hyderabad.
2. Attended Refresher Course during 2nd March 2015 to 24th March 2015 conducted by JNTU-Hyderabad.
3. Workshop on Innovations in Waste, Water, and Energy Technologies for Rural Development during 13th and 14th July 2015.
4. Organized Technical Symposium NEOZION in 2016 at CBIT.
5. Conducted a two day National level workshop on “Innovations on waste treatment to generate bioenergy”, during 6th April 2016 to 7th April 2016 at CBIT, Gandipet, Hyderabad-500075
6. Worked as organizing committee member in conducting Two-day National level technical symposium entitled “NEOZION’ 17” on September 2017.
7. Attended workshop “Patent search on aspects of Search strategies and techniques” at CBIT, Hyderabad on 20th July, 2019.
8. Capacity building training programme on “IP strategy for startups and Entrepreneurs during 14th October 2019 to 18th October 2019 at National Institute for Micro, Small and medium enterprises (ni-msme), Yousufguda, Hyderabad, 500045.
9. Participated in the IIC Online Sessions Conducted by Institutions Innovation council of MHRD’s Innovation cell to promote innovation, IPR, Entrepreneurship and start-ups among HEIs from 28th April to 22nd May 2020
10. Participated in Leadership Talk with Shridhar Venkat, CEO (Akshay Patra Foundation) held on 20th June 2020 by MHRD’
11. Participated in Leadership Talk with Shashi Shekhar, (CEO-Prasar Bharati) held on 11th July 2020 by MHRD.
12. Worked as Coordinator in conducting One Week Webinar cum Faculty Development Program Series on “Current Progress and Future Prospects of Biotechnology”, organized by the Department of Biotechnology, CBIT in association with Andhra Pradesh Academy of Sciences from 08th June to 13th June 2020.
13. Organized a Guest Lecture on Relevance of Environmental concerns in the context of innovation start-ups and entrepreneurship on 27th September 2020 from 10:30 am to 12:00PM CBIT Gandipet Hyderabad-500075.
14. One week Refresher course on Bharathiya Chaitanyam during 29th June 2020 to 5th June 2020. Organized by Geervana Bharathi, CBIT, and Hyderabad.

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

15. A one week faculty development programme on “Outcome based education and NBA Accreditation process” during 28th May 2020 to 01st June 2020.
16. Five day online Faculty development programme on Universal Human values for Deeksharambh (Student Induction programme) during 23rd November 2020 to 27th November 2020.
17. Five day Faculty development programme on "Recent Trends in Advanced Materials Science & Engineering Technology" during 8th March 2021 to 12th March 2021 organized by department of chemistry, CBIT, Hyderabad. Organized by National Institute of Technology (NIT) Patna.
18. Five day Faculty development programme "Inculcating Universal Human values in Technical education" organized by AICTE from 12th July 2021 to 16th July 2021.
19. Attended a webinar on "ESG (Environmental, social and Governance)" in FMCG sector organized by ASSOCHAM council on Environment and climate change on 22nd July 2021.
20. Faculty development programme on “Recent research advance materials: Water and Waste water treatment “organized by Bharat Institute of Engineering and Technology and Indian Ceramic Society, Hyderabad, Telangana from 02/08/2021 to 07/08/2021
21. Faculty development programme on "Environmental pollution and solutions" organized by NITTTR Kolkata from 5/7/2021 to 16/7/2021.
22. Attended a Webinar on "how to jump start your career in Artificial Intelligence and Machine learning" organized by MIDHANI on 8th July 2021.
23. Attended a workshop on "Patents, trademarks and copyrights" organized by ACIC-CBIT and IIC –CBIT from 17/07/2021.
24. Attended a STTP on "How to write Thesis and Research Paper” organized by NITTTR Kolkata from 02/08/2021 to 06/08/2021.
25. Faculty development programme on “Recent research advance materials: Water and Waste water treatment “organized by Bharat Institute of Engineering and Technology and Indian Ceramic Society, Hyderabad, Telangana from 02/08/2021 to 07/08/2021.
26. Orientation /refresher course on “Personality profile for industry readiness” organized by P.T.Chegalvayara Naicker College, Tamil Nadu from 27/01/2022 to 02/02/2022.
27. Attended a workshop on "Nanoscale Characterization and analysis” organized by Department of Applied Science, NITTR Chandigarh from 10/3/2022 to 13/03/2022.
28. Attended a webinar on “National Intellectual Property Awareness Mission “by Faculty of University College of Technology, Osmania University, Hyderabad, Telangana, India 26/04/2022
29. One week Faculty development programme on” Smart material processing and applications.” Organized by NITTTR Chandigarh from 25/07/2022 to 29/07/2022.
30. Five day Faculty development programme on “Enhancing research eco system in the campus “Organized by Mallareddy engineering college from 22nd August 2022 to 26th August 2022.
31. Five day Faculty development programme on "Recent Trends in Advanced Materials Science & Engineering Technology" during 8th March 2021 to 12th March 2021 organized by department of chemistry, CBIT, Hyderabad. Organized by National Institute of Technology (NIT) Patna.
32. Organized a webinar on “Entrepreneurship for Biotechnologists" on 12th February 2021 by Dr.Zahoorullah.S.MD, Chief innovation officer, ATAL

- Incubation Centre, ALEAP Industrial estate JNTU, Kukatpally, Hyderabad at CBIT, Hyderabad.
33. Organized a webinar on "IPR-Trademarks-GI-Case studies in Biotechnology" on 23rd April 2021 by Mr. M. Vijay Kumar, Technical member, Trade Marks, Intellectual property Appellate Board. Government of India.
 34. Webinar on "Industrial and Environmental Biotechnology: Biomass to Biofuels & Chemicals" organized by FABIA, India .10 th February 2022.
 35. Attended a workshop on "Nanoscale Characterization and analysis" organized by Department of Applied Science, NITTTR Chandigarh from 10th March 2022 to 13th March 2022.
 36. Attended a webinar on "National Intellectual Property Awareness Mission "by Faculty of University College of Technology, Osmania University, Hyderabad, and Telangana, India 26th April 2022.
 37. Attended a webinar on "Journey across Genome" organized by FABIA academy on 04th August 2022.
 38. Attended a webinar on "RNA i technologies and Career Opportunities" organized by FABIA, India on 22nd July 2022.
 39. Attended AICTE recognized short term course on "2D Nanomaterials: Potential & Applications through ICT" conducted by applied science department, NITTTR, Chandigarh from 17th October 2022 to 21st October 2022.
 40. Attended a Faculty development programme on "Design and Development of Industry led Curriculum in Technology Era by AMET university during 14th December 2022 to 22nd December 2022.

Details of Journal Publications/
Conferences (National and
International)

International Conference : --

National /International Journal :

Sumithra.S, Swamy.A.V.N and Basava Rao V.V, "Experimental studies on lactose biodegradation of dairy effluent by K.lactis.,"international journal of advanced research. Volume (4), issue-7, 2196-2200, 2016, issn no-2320-54079 impact factor-5.336.

Sumithra.S, Swamy.A.V.N and Basava Rao V.V, "Aerobic biodegradation of dairy wastewater by fluidized bed bio reactor". International journal of advanced research. Volume (4), issue-12, 2196-2200, 2016, issn no-2703-2706 impact factor-6.118.

Sumithra.S, "Implementation of bioremediation concept in the treatment of textile effluent." International journal of advanced research.volume(7),issue-5,1289-1293,2019,issn no-2320-5407 impact factor-7.08

PV Parvati Sai Arun, Vineetha Yarlagadda, Govindugari Vijaya Laxmi, and Sumithra Salla
Computational analysis of the hypothetical protein P9303_05031,2019 from marine
Cyanobacterium Prochlorococcus marinus MIT 9303,