


Name of Faculty	<b>Dr. B. Sumithra</b>	
Designation	Assistant Professor	
Nature of Job/Appointment	Regular	
Date of Joining	07-10-2021	
E-mail	sumithrab_biotech@cbit.ac.in sumithra.das@gmail.com	
Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Biotechnology )	Awarded
PG	M. Tech. (Biotechnology)	Awarded
UG	B. Tech. (Biotechnology)	First Class
Work Experience		
Teaching	06 months	
Research	--	
Industry	06 months (DBT-BCIL Training)	
Others	--	
Area of Specialization	Large scale Data analysis & Medical Biosensors	
Professional Memberships	--	
Responsibilities held at Institution Level	--	
Responsibilities held at Department Level	<ol style="list-style-type: none"> <li>1. Academic Performance Indicator-2</li> <li>2. Higher Studies Information / Admission -2</li> <li>3. 4/4 year all survey collection-2</li> <li>4. Industrial visit arrangement / Data/ Pictures/ Report-2</li> <li>5. Minor Engineering coordinator-2</li> <li>6. Students and Faculty awards database coordinator-2</li> <li>7. Mentor for students</li> <li>8. Honors degree -- 2019 admitted batch</li> <li>9. Internships dept. level coordinator-2</li> </ol>	
Research Guidance	--	
Awards Received	<ol style="list-style-type: none"> <li>1. Received Best poster award at "6th International Conference on Stem Cells and Cancer: Proliferation, Differentiation and Apoptosis (ICSCC 2015)" for poster on "Transcriptional Regulation and Protein-Protein Interaction Networks of Human Oncogenic Splicing Factor Sam68".</li> <li>2. Qualified GATE exam and Scored 97.23%, AIR: 306.</li> <li>3. Qualified UGC – SLET 2012 (Tamilnadu) in life sciences paper.</li> <li>4. Received scholarship from Department of Biotechnology (Government of India), undergoing industrial training in Wockhardt research center, Aurangabad. Biotech Industrial Training Program 2010-2011, Organized by Biotech Consortium India Limited (BCIL), New Delhi.-India.</li> </ol>	
Courses Handled at Under Graduate / Post Graduate Level.	<ol style="list-style-type: none"> <li>1. Bionanotechnology</li> </ol>	

No. of Papers Published	National Journals – Nil	International Journals – 03
	National Conference – Nil	International Conference – 02
Projects Carried out		--
Patents		--
Technology Transfer		--
Invited Speaker		--
No. of Books/Chapter Published with details		--

1. Workshop on “Next generation sequencing data analysis for clinical diagnostics”, organized by National genomics core, at CDFD, Hyderabad, June, 2021.
  2. National workshop on “High Through-put Biological Data Analysis”, at Andhra University, Vishakhapatnam, Feb 2016.
  3. National workshop on “Continuous medical education on clinical immunology past & present”, organized by Dept. of Biotechnology, NIT Warangal, January 2016.
  4. FDP on “Statistics with R”, organized by E& ICT academy, Dept. of CSE, NIT Warangal, December 2016.
  5. Hands-on Workshop on “Development of Signaling Pathway Networks” held at Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, October 2015.
  6. 3rd IIT- Madras – Tokyo Tech Joint Symposium on “Algorithms and Applications of Bioinformatics”, at IIT Madras, November, 2015.
  7. National workshop on “Research Trends in Animal Biotechnology”, organized by Dept. of Biotechnology at NIT Warangal, 2015.
  8. DBT, Govt. of India Sponsored National Short Term Training course on “Animal Cell Culture & Molecular Diagnostic Techniques” at Kakatiya University, 18th august - 1st September 2014.
  9. National workshop on “Eco-friendly structural innovations for sustainable development” organized by NIT Warangal, under TEQIP-II, July 2014.
  10. National workshop on “Bioinformatics and its Applications”, organized by Dept. of Biotechnology at NIT Warangal, April 2014.
  11. National workshop on “Research Methodology and Scholarly Writing Skills”, organized by NIT Warangal, January 2014.
  12. National workshop on “Environmental Biotechnology & Sustainability” organized by Dept. of Biotechnology, NIT Warangal, October 2013.
- QIP (Quality improvement programme) short term course on “Advances in Drug Discovery” July, 2010 at IIT Guwahati.

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

Details of Journal Publications/Conferences (**National and International**) Details provided below

#### **International Journal**

1. B. Sumithra, Urmila Saxena, Asim Bikas Das (2016) Alternative splicing within the Wnt signaling pathway: role in cancer. Cellular Oncology: 39:1-13.
2. B. Sumithra, Urmila Saxena, Asim Bikas Das (2019) A comprehensive study on genome-wide coexpression network of KHDRBS1/Sam68 reveals its cancer and patient-specific association. Scientific Reports: 9, 11083.

3. B. Sumithra, V.S.P.K. Sankara Aditya Jayanthi, Hari Chandana Manne, Rashmika Gunda, Urmila Saxena\*, Asim Bikas Das\* (2020) Antibody based biosensor to detect oncogenic splicing factor Sam68 for the diagnosis of lung cancer. *Biotechnology Letters* 2020, 42, 2501 -2509

#### **International Conferences**

1. Sumithra. B, Asim Bikas Das. (ICSCC 2015) Transcriptional Regulation and Protein-Protein Interaction Networks of Human Oncogenic Splicing Factor Sam68, "6th International Conference on Stem Cells and Cancer: Proliferation, Differentiation and Apoptosis" Pune. (Best poster award).
2. Sumithra. B, Asim Bikas Das. Oncogenic Sam68 links Signaling Pathways and Alternative Splicing, "9th Indo Global Summit on Cancer Therapy", 2015 Hyderabad.
3. Participated in "7th IEEE International Conference on Technology for Education (T4E)" organized by NIT Warangal during 10-12<sup>th</sup> December 2015.