



Techno College of Engineering Agartala

An Engineering College affiliated to Tripura University (A Central University),

Approved by AICTE, MHRD, Govt. of India

Website: www.tiaedu.org



Name of the faculty: SUKHEN BHOWMIK

Designation: Assistant Professor

Education:

1. H.S (+2 stage) in Science from T.B.S.E, Tripura, India with 57.40% (2nd class), 2005-2007.
2. B.Sc in [Maths, Physics, Chemistry (Hons.)] from Tripura University (Ramthakur College), Agartala, Tripura, India with 56.75% (2nd class), 2007-2010.
3. M.Sc in Chemistry (Organic) from Tripura University, Tripura, India with 71.81% (Grade-A), 2010-2012.
4. Ph. D in Chemistry (Organic Chemistry) from Tripura University, Tripura, India, 2021.

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Research Interest: Synthesis and characterisation of bioactive organic compounds

Membership of professional bodies: No

Professional Experience:

Teaching Details: I am teaching chemistry subject in Diploma 1st semester and B. Tech 2nd semester.

Mentorship: I am also observed various issues of 25-30 number of diploma 1st year students during the period.

Activities: every year I conduct Fun with Chemistry event which has participate 1st year diploma and B. Tech students.

Patents: No

Publications: 7

Publishes Journal/ Conference papers/ Book/ Book Chapters:

- ❖ Physicochemical Characterization of Chrysin-Derivative-Loaded Nanostructured Lipid Carriers with Special Reference to Anticancer Activity. G. Karmakar, P. Nahak, P. Chettri, B. Roy, P. Guha, K. Tsuchiya, K. Torigoe, A. Kumar, R.K. Nath, **S. Bhowmik**, U. C. De, K. Nag, A. K. Panda. Journal of Surfactant Detergent (2018) 21: 421. <https://doi.org/10.1002/jsde.12033>.
- ❖ Synthesis of New Chrysin Derivatives and Their Biological Assessment as Antibacterial, Antibiofilm and Antifungal Agent. **S. Bhowmik**, T. Das, S. Ghosh, B.K Sharma, S. Majumdar



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and U.C. De Asian Journal of Chemistry, 30 (2018), 693-702.

<https://doi.org/10.14233/ajchem.2018.21167>.

- ❖ Modulation of *S. aureus* and *P. aeruginosa* biofilm: an in vitro study with new coumarin derivatives. T. Das, M. C. Das, A. Das, **S. Bhowmik**, P. Sandhu, Y. Akhter, S. Bhattacharjee, U. C. De. World Journal of Microbiology and Biotechnology (2018) 34:170. <https://doi.org/10.1007/s11274-018-2545-1>.
- ❖ Synthesis of new chrysin derivatives with substantial antibiofilm activity. **S. Bhowmik**, P. Anand, R. Das, T. Sen, Y. Akhter, M.C. Das, U.C. De, Molecular Diversity, <https://doi.org/10.1007/s11030-020-10162-7>.
- ❖ I have presented the paper entitled “Chemical modification and Biological Evaluation of Chrysin- a naturally occurring Flavanoid” in the “National seminar on “Recent Advances in Natural Products Chemistry for Drugs Discovery” held on November 28-29th, 2015 at Department of Chemistry, Nataji Subhas Mahavidyalaya, Udaipur, Gomati Tripura Tripura, India.
- ❖ I have presented the paper entitled “Synthesis and Biological Evaluation of some Novel Chrysin Derivatives” in UGC Sponsored National Conference on “Chemistry Today & Tomorrow for Better Future” held on August 5-6th, 2016 at Department of Chemistry, Dasaratha Deb Memorial College, Khowai, Tripura, India 799201.
- ❖ I have presented the paper entitled “Synthesis and Biological Evaluation of some Novel Chrysin Derivatives” in Research Scholar’s Training Programme held during 28th April to 4th may 2017, Organised by Faculty Development Centre, Tripura University under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) Scheme, Department of Higher Education, Ministry of Human Resource Development, Govt. of India.

Achievements (if any):

1. NET (LS) qualified, 2013 & 2014 (Two times).
2. GATE qualified, 2014.

Hobbies: Help to poor/needy students by financial support or study materials