KASHIPUR MICHAEL MADHUSUDAN MAHAVIDYALAYA

Name: Dr. Sultana Parveen

Designation: Assistant Professor

Date of Joining: 25th November 2023

Contact Details: parveen.sultana.ju@gmail.com

Educational Qualification:

1. Graduation: BSc. (Hons.) in Chemistry; First Class, Jadavpur University 2010
2. Post-graduation: MSc. in Chemistry (Physical Chemistry Specialization) First Class, Jadavpur University 2012
3. M.Phil / Ph.D.: Ph.D. in Biophysical Chemistry, Department of Chemistry, Indian Institute of Technology Kharagpur, India 2020

State Level / National / International Conferences /Seminars /Workshops /Webinar Attended

A) Paper Presentations in Seminars / Conferences / Webinars:

1. Poster presentation on Biophysical Society 62nd Annual Meeting (BPS) held at San Francisco, California, USA (February 17-21, 2018)
2. Poster presentation on 23rd ISCB International Conference (ISCB-2017) held at SRM University, Tamil Nadu, India (February 8-10, 2017)

B) Participation in Seminars / Conferences / Training Programmes / Workshop / Webinars:

1. Participated in 18th CRSI National Symposium in Chemistry organized by INST and Punjab University (February 5-7, 2016)
2. Participated in 22nd Annual Conference of National Magnetic Resonance Society of India (NMRS-2016) held at IIT Kharagpur (February 18-21, 2016)
3. Participated in “Current Trends in Synthetic Organic Chemistry” Organized by Department of Chemistry, Indian Institute of Technology Kharagpur on January 13, 2015
4. Participated in workshop organized by Willey publishing house at Central library IIT Kharagpur, March 23, 2015
5. Participated in workshop organized by Thieme publishing house at Central library IIT Kharagpur, August 7, 2019

List of Research Papers published in National / International Journals / Books / Conference Proceedings with ISBN / ISSN / Impact Factor / Scopus Index

A) Books:

Nil

B) Journals:

1. **Parveen, S**., Chaudhury, S. and Dasgupta, S., Tuning the mechanical and physicochemical properties of cross-linked protein films, *Biopolymers*, 2019, 110, e23321
2. **Parveen, S**., Ghosh, P., Mitra, A., Gupta, S. and Dasgupta, S., Preparation, characterization, and in vitro release study of curcumin-loaded cataractous eye protein isolate films, *Emergent Mater., 2019, 2, 475-486*
3. **Parveen, S**., Chaudhury, P., Dasmahapatra, U. and Dasgupta, S., Biodegradable protein films from gallic acid and the cataractous eye protein isolate, *Int. J. Biol. Macromol*. 2019, 139, 12-20
4. Roy, P., **Parveen, S**., Ghosh, P., Ghatak, K. and Dasgupta, S., Flavonoid loaded nanoparticles as an effective measure to combat oxidative stress in Ribonuclease A, *Biochimie*, 2019, 162, 185-197
5. Chaudhury S., Ghosh P., **Parveen S**. and Dasgupta, S., Glycation of human γB-crystallin: A biophysical investigation, *Int. J. Biol. Macromol*. 2017, 96, 392–402.
6. . Das, S., **Parveen, S**. and Pradhan, A.B., An insight into the interaction of phenanthridine dyes with polyriboadenylic acid: Spectroscopic and thermodynamic approach, *Spectrochim. Acta A*,2014**,** 118**,** 356-366
7. Chaudhury, P., **Parveen, S**., Sarker, R. and Dasgupta, S., Enhancing the properties of films prepared from the cataractous eye protein isolate (CEPI) for potential biomedical applications, *Emergent mater.* 2021*, https://doi.org/10.1007/s42247-021-00318-y*
8. Ghosh, P.; Bag, S. **Parveen, S.** *et al*., Nanoencapsulation as a Promising Platform for the Delivery of the Morin-Cu (II) Complex: Antibacterial and Anticancer Potential, *ACS omega,* 2022, 7, 97931–7944
9. Ghosh, P., **Parveen, S.,** Chaudhury, S. and Dasgupta S. Polyphenol loaded nanoparticles as antiglycating agents: A case study with human serum albumin, *Asia Chem.,* 2023, 3, 66-77 https://doi.org/10.51167/acm00041

C) Conference Proceedings:

"Applications of Cross-Linked Cataractous Eye Protein Isolate Films as Drug Delivery Vehicles", S Parveen, S Dasgupta, Biophysical Journal, 114 (3), 360a.

D) Book Chapters:

Nil

E) Patent of application

Indian Patent filed Application No.: 201733014122 dated April 20, 2017 in the name of INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR

Title: PROTEIN FILMS MADE FROM CATARACTOUS EYE PROTEIN

Inventors: Swagata Dasgupta, Susmitnarayan Chaudhury, Sultana Parveen

Awards and Recognition

1. Qualified Graduate Aptitude Test in Engineering (GATE) (All India Rank 486) in 2013
2. Qualified CSIR-UGC NET for Lectureship (LS) in Chemical Sciences (All India Rank 47) in 2013
3. Awarded INSPIRE Scholarship for higher education (SHE) from Department of Science and Technology 2007-2012

Areas of Specialization in Research / Teaching

A) Specialization in Teaching: ***Physical chemistry***

B) In Research: ***Biophysical Chemistry, Protein Chemistry***

Teaching:

1. **Theory:**
   UG Semester I (Major): Inorganic Chemistry-I
   UG Semester III (BSc Programme): Physical Chemistry
   UG Semester V (BSc Programme): Inorganic Materials of Industrial Importance
   UG Semester I (AECC): Environmental Studies
2. **Practical:**
   Semester I: Inorganic Chemistry

3. **Excursion / Field Survey: Nil**

Invited Lecture / Foreign Visit:

1. Attended Biophysical Society 62nd Annual Meeting (BPS) held at San Francisco, California, USA (February 17-21, 2018)

Other Academic Activities:

1. Board of Studies: No
2. Course Design: No
3. Paper Setter: No

Administrative Activities:

Nil

Associated with Learned Bodies / Association / Society / Organization:

Nil