Name: **Dr. Himadri Mullick**
(Joined on September 16, 2015)
Designation: **Assistant Professor**
Specialization: **Solid State Physics**
Qualification: **M.Sc., Ph.D.**
E-mail: himu1974@gmail.com

EMPLOYMENT RECORD (FROM PRESENT TO PAST)

Organisation	Period		Designation	Type of Experience	Nature of Work
	From	To			
Charuchandra College, Kolkata, India	16/09/15	Onward	Assistant Professor (Physics)	Teaching – Learning & Administrative Jobs	Conducting Theory & Laboratory Session
RCC Institute of Information Technology, Kolkata, India	21/09/11	15/09/15	Assistant Professor (Physics)	Teaching – Learning & other Administrative Jobs	Conducting Theory & Laboratory Session

FIELD OF SPECIALISATION :

- Solid State Physics
- Ion conducting biopolymer gel synthesis for electrolyte material preparation
- Optical and Electrical characterization and dielectric property investigation for electroactive biopolymers.

PUBLICATIONS (Post Ph.D):

- Sk Yasnur, Prasenjit Maji, Apurba Ray, **Himadri Mullick** and Sachindranath Das, Effect of annealing temperature on dielectric properties of iron oxide prepared by sol-gel auto combustion method, Ferroelectrics, 2021, 577:1, 38-51.
- Soumya Mukherjee and **Himadri Mullick**, Fruit Chromophore Selection for Reactive Modification of Plant Biopolymer Exudate and its UV-VIS Study, Advances in Science Education, Pub: Lincoln Research and Publishing Limited, Australia, ISBN: 978-0-6488798-2-4, doi: 10.46977/book.2021.ase
- **Himadri Mullick,** Absorption Spectrum Analysis in Arabica Polymer Exudates modified by Electrical Beam Irradiation and Fruit Acid Sorvents, Int.J.Sci.Res.Rev. 2019, 8(1), 3127-3134.
- Mandal, Surajit; Sambasivarao, Kurra; **Mullick, Himadri**; Dhar, Achintya; Maiti, Tapan Kumar; Ray, Samit Kumar. **Amperometric detection of Glucose Biomolecules using ZnO tripods and nanorods: A comparative study.** Sensor Letters, Volume 7, Number 4, August 2009, pp. 635-639(5), American Scientific Publishers.
- S. Mandal, **H. Mullick**, S. Majumdar, A. Dhar and S.K. Ray, **Self-Assembled Growth of Hexagonal ZnO Nanoprisms Exhibiting Good Photoluminescence Property,** Journal of The Electrochemical Society, **155 (**9) K129-K132 (2008).
- S. Mandal, **H. Mullick**, S. Majumdar, A. Dhar and S.K. Ray, **Effect of Al concentration in grain and grain boundary region of Al-doped ZnO films: a dielectric approach,** Journal of Physics D:Applied Physics, **41**, 025307 (2008).
- S. P. Mondal, **H. Mullick**, T. Lavanya, A. Dhar, S. K. Lahiri and S. K. Ray, **Optical and dielectric properties of junction-like CdS nano-composites embedded in polymer matrix**, Journal of Applied Physics, **102**, 064305 (2007).
- **H. Mullick** and A. Sarkar, **Electrical characterization of ion conducting biopolymeric gel complexes**, Journal of Non-crystalline Solids, **352**, Issue 8, 795–800(2006), Elsevier.
- **H. Mullick** and A. Sarkar, **Electrical conduction in wax and natural gum resin**, Indian J. Phys. **79**(7), 793 – 796 (2005).

Paper presented in Seminars and Award received:

- Poster entiled **Photoresponsive study of Plant Biopolymer modified by Anthocyanin rich selective Fruit Chromophore extract** in National Workshop Recent Advances in Condensed Matter Physics: Theory and Experiments (NAWCMP – 2018), Dept of Physics, Viswabharati, Shantiniketan, August 03-04, 2018 and received **Third Best Poster Award**.

- Poster entitled **Absorption Spectrum Analysis in modified gum Acacia Biopolymer Exudates** in DST, West Bengal sponsored International Seminar **Frontier's in Biological Science (FIBS)**, 30th January 2018, at Dept. of Microbiology, St. Xavier's College, Kolkata and received **Second Best Poster Award**.

- Poster entitled **Photosensitive Biocomplex formation of Plant Origin and their Spectroscopic Study** in National Conference on **Emerging Trends in Condensed Matter Physics & Material Science** during 18-19 March 2016 at Dept. of Physics, Kalyani University, India.

- Paper entitled **Spectroscopic Study of High Energy Electron Beam Irradiation on Plant Biopolymers** in Dept. of Atomic Energy: Board of Research in Nuclear Sciences sponsored National Workshop on **Particle Radiation: Effects and Application** on 23-24 February 2016 at S.A. Jaipuria College, Kolkata, India and received **Best Poster Award.**

- Paper entitled **Biopolymer Hydrogel and their Electrochemical Application** in One Faculty Development Programme on **Fundamentals and Advances of Solid State Matters for Technological Applications** sponsored by TEQIP-II during 6th July to 10th July 2015 at RCC Institute of Information Technology, Kolkata.

PROGRAMME ORGANISED:

- Joint Convener in One week Faculty Development Programme on **Fundamentals and Advances of Solid State Matters for Technological Applications** sponsored by TEQIP-II during 6th July to 10th July 2015 at RCC Institute of Information Technology, Kolkata.

RESOURCE PERSON

- Invited talk on **Optical and Impedance Study of Plant Biopolymer modified by selective Fruit Chromophore extract** in 2nd National Symposium on **Recent Trends in Instrumentation Science & Technology (NSRTIST – 2019)** on January 18, 2019 at Dept. of Instrumentation Science, Jadavpur University, Kolkata.

- Invited talk on **Ion Conducting Gum based Natural Polymer Hydrogel** in a State level seminar on 18th April 2016 held at Dept. of Physics, Basanti Devi College, Kolkata.