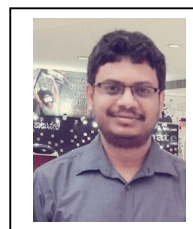


**Name:** Dr. Sovan Ghosh  
**Designation:** Associate Professor  
**Branch:** Physics



**Educational Qualification(s):**

| Qualification(s) | University             |
|------------------|------------------------|
| B.Sc             | University of Calcutta |
| M.Sc             | Tezpur University      |
| Ph.D             | Tezpur University      |

**Experience in years:**

Academic : 11 Years

Details:

| Sl. No. | Organization                            | Position Held                   | Duration |                  |
|---------|---|---------------------------------|----------|------------------|
|         |   |                                 | From     | To               |
|         | ICFAI University<br>Tripura             | Associate Professor<br>and Head | 2023     | Till the<br>date |
|         | ICFAI University<br>Tripura             | Assistant Professor<br>And Head | 2022     | 2023             |
|         | Vijaya College,<br>Bangalore            | Assistant Professor<br>and Head | 2014     | 2021             |
|         | Jain University                         | Assistant Professor             | 2013     | 2014             |
|         | Basaveswara Science<br>College Bagalkot | Assistant Professor             | 2012     | 2013             |

**Other Information:**

a) Publication details.

**Models of Extended Electron with a Point Charge** in Science Dialectica Vol. 1, 22-26; DOI: <https://doi.org/10.54162/SD01-25201/07> , November 2021

**Cosmological Constant and  $\alpha$ -quantization**, Springer Proceedings in Physics Vol. 261. XXIII DAE High Energy Physics Symposium, Chapter 135 Springer, Singapore (2021)

**Variation of Fine Structure Constant and Electron Properties**, Springer Proceedings in Physics 203, Chapter 107 (2018), [https://doi.org/10.1007/978-3-319-73171-1\\_107](https://doi.org/10.1007/978-3-319-73171-1_107)

**Electromagnetic mass and charge of electrons at relativistic speed**, Indian Journal of Physics 87 (6) 607 (2013), DOI 10.1007/s12648-013-0254-z, (2013); Co-authors: A. Choudhury, J. K. Sarma.

**Radius of electron, magnetic moment and helical motion of the charge of electron**, Apeiron 19 (3) 247 (2012); Co-authors: A. Choudhury, J. K. Sarma.

**Radii of electrons and their  $\alpha$ -quantized relations**, Indian Journal of Physics 86 (6) 481 (2012), DOI 10.1007/s12648-012-0083-5; Co-authors: A. Choudhury, J. K. Sarma.

**External magnetic field with different radii of electron and intrinsic properties of electron invoking the spinning sphere model of electron**, Pacific Asian Journal of Mathematics 5 (2) 109(2011); Co-authors: A. Choudhury, J. K. Sarma.

**Electromagnetic Mass and Charge in The Framework of Spinning Sphere Model of Electron**, International Journal of Applied Physics 1 (2) 119 (2011); Co-authors: A. Choudhury, J. K. Sarma.

**Relations of the electron radii and electron model**, International Journal of Physics 4 (2) 125 (2011); Co-authors: A. Choudhury, J. K. Sarma.

b) Details of Seminar/Workshop/Conference.

Organised 'A Research Conclave on Modern Physics: Frontier and Core' the **First In-house Research Symposium of Department of Physics, ICFAI University Tripura** and presented a talk 'Identity Crisis of Constants' during 11-13 Jan 2023.

Convener of **1<sup>st</sup> International Conference on Convergence of Interdisciplinary Science** on 19-20<sup>th</sup> February, 2022 in the online platform organized by Science Dialectica and SRF.

Organised a national conference in the online platform entitled **Virtual Conference on Contemporary Research in Physics 2020** held during 17<sup>th</sup>-19<sup>th</sup> December 2020.

Organised **In-house Symposium** in PG Physics Dept. of Vijaya College on 15<sup>th</sup> October 2018

Participated in **Instrumentation Workshop on Designing of Split Power Supply** organized by **Maharani's Science College of Women**, Bangalore on 24<sup>th</sup> and 25<sup>th</sup> September, 2018.

Attended the **Fifth DAE-BRNS Workshop on Hadron Physics – 2011** (Oct.31-Nov.4, 2011) and **PANDA Discussion Meeting** (Nov. 02, 2011) at **BARC**, Mumbai, India.

Attended the **National Workshop on “Nuclear and Atomic Techniques based Pure and Applied Sciences”** at **Department of Physics, Tezpur University** in collaboration with UGC-DAE during 01-03 February 2011.

Attended the workshop on **“Recent Trends in Astronomy and Astrophysics”**, organized by **Department of Physics, Tezpur University; Sponsored by IUCAA, Pune** during 21-23 October, 2009.

Attended **SERC Main School on Theoretical Higher Energy Physics** at **IITB** from 6-26 February, 2008.

Attended the **“State Level Workshop of Science writing/Journalism”** organised by Assam Science Society from 2nd-4th Nov, 2007.

Attended **Quality Improvement Program Short Term Course On “A Roadmap of Quantum Mechanics to String Theory”** at Dept. of Physics, **IITG** from 3rd to 7th September, 2007.

Attended **SERC Main School on Theoretical High Energy Physics** at **Hyderabad University** from 18 Jan - 07 February, 2007.

Attended the **workshop of “Experimental Physics”**, organised by **IAPT** in collaboration with **S N Bose National Center for Basic Sciences, Saltlake, Kolkata** and **St. Xaviers College, Kolkata** in 2003.

(c). Professional membership of reputed bodies if any.

Indian Science Congress Association: Life Member with no. L14015