- **Name** **: DR. SUDIPTA GHOSH**
- **Designation** **: Assistant Professor**
- **Department** **: Chemistry**
- **Qualifications** **: M.Sc, Ph.D**
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- **Research Interest** **: Physical Chemistry**
  (Development of Optical Fiber Optic Dosimeter for wide Range gamma radiation environment)
- **Research Experience:** 1.Work as research scholar in the Department of Fibre Optics and Photonics Division, CSIR-Central Glass and Ceramic Research Institute, Kolkata from 2009 to 2010.
  2. Part time research scholar in the Department of Fibre Optics and Photonics Division, CSIR-Central Glass and Ceramic Research Institute, Kolkata from 2010 till date.
- **Teaching Experience:** Engaged in teaching Chemistry in the college since 2010.
- **Number of publications:** Published 7 papers.

List of Publications:

1. **S. Ghosh**, S. Das, M. C. Paul, K. Dasgupta, D. Bohra, H. S. Chaudhary, L. Panwar, P. K. Bhatnagar, and S. G. Vaijapurkar. "Evaluation of the performance of high phosphorous with germanium co-doped multimode optical fiber for use as a radiation sensor at low dose rates" J. Appl. Optcs. Vol. 50 No. 25/1 (2011).

2. P. Dragic, J. Ballato, A. Ballato, S. Morris, T. Hawkins, P.-C. Law, **S. Ghosh,** and M.C. Paul. "Mass density and the Brillouin spectroscopy of aluminosilicate optical fibers". Opt. Mat. Exp. Vol. 2, No. 11. (2012).

3. **S. Ghosh**, M. C. Paul, S. Das, K. Dasgupta, D. Bohra, H. S. Chaudhary, L. Panwar, P. K. Bhatnagar, and S. G. Vaijapurkar. "Radiation Response Behavior of Carbon Co-Doped Aluminosilicate Glass Based Optical Fibre for Use as Radiation Sensor" Sensor Lett. Vol. 11 1-7 (2013).

4. A.V. Kir'yanov, **S. Ghosh**, M.C. Paul, Y.O. Barmenkov, N.S. Kozlova, V. Aboites. "Ce doped and Ce/Au co-doped alumino-phosphosilicate fibers: Spectral attenuation trends at high-energy electron irradiation and posterior low-power optical bleaching" Opt. Mat. Exp. Vol. 4, Issue 3, pp. 434-448 (2014).

5. **S.Ghosh** , M.C.Paul and S.Das. "Fabrication of silicon carbide semiconductor core optical fibre preform" IEEE Xplore, 978-1-4799-2176-8,(2013).

6. D. A. Bradley,S. F. A. Sani, A. Alalawi, S.M. Jafari, N. M.Noor M.Noor, A. R. H. Azhar, G. A. Mahdiraji, N.Tamchek, **S. Ghosh**, K. S. Alzimami, A Nisbet, M. C Paul, M. J. Maah, "Development of tailor-made silica fibres for TL dosimetry" Radiation Physics and Chemistry, In press.

List of seminar /symposia attended:

Authors	Name of the Conference	Title of the paper	Hosting Institutions	Year of hosting
S.Ghosh, S.Das, M.C.Paul, K. Dasgupta, D.Bohra, H.S.Chaudhary, L.Panwar, P.K.Bhatnagar, and S.G.Vaijapurkar	International Conference on Fibre Optics and Photonics	"Evaluation of the performance of high phosphorous with germanium co-doped multimode optical fiber for use as a radiation sensor at low dose rates".	Indian Institute of Technology Guwahati, India	2010
T.K.Gangopadhyay, A.Halder, S.Das, M.C.Paul, M.Pal, T.Mahanty, S.Ghosh, M.Salza, G.Gagliardi	International Conference on Fibre Optics and Photonics	"Fabrication of Tapered Single Mode Fibre by Chemical Etching and Used as Chemical Sensor Based on Evanescent Field Absorption"	Indian Institute of Technology Guwahati, India	2010
S.Ghosh, S.Das, M.C.Paul, K. Dasgupta, D.Bohra, H.S.Chaudhary, L.Panwar, P.K.Bhatnagar, and S.G.Vaijapurkar	Inter National Conference on Frontiers in Optics and Photonics	"Radiation Response Behavior of Carbon Doped Aluminosilicate Glass based Optical Fibre for Use as Radiation Sensor".	Indian Institute of Delhi, India	2011
S.Ghosh, S.Das, M.C.Paul	International Conference on Microwave and Photonics	"Fabrication of silicon carbide semiconductor core optical fibre preform".	Indian School of Mines, Dhanbad, India	2013

S. Ghosh, A. Dhar, S. Das, M. C. Paul	International Conference on Nanomaterials and Technologies	"Fabrication of a novel nano-engineered glass based optical fiber for radiation sensor application"	Vardhaman College of Engineering, Hyderabad, India	2014