

ENLIGHTENMENT
TO PERFECTION

UNIVERSITY OF NORTH BENGAL

Accredited by NAAC with grade A
Raja Rammohunpur, Dist- Darjeeling, West Bengal, Pin-734013, India.



University Science Instrumentation Centre(USIC)

Gautam Sarkar



M.Sc. B.Ed., M.Tech

Technical Officer- III

Member- Indian Liquid Crystal Society,
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Subject

Specialization, if any

(i) Electronics & radio physics, (ii) Microwaves

Area of Research Interest

Soft Condensed Matter Physics, Liquid Crystals

Number of Ph.D. students

a) Supervised : Nil b) Ongoing : Nil

Number of M.Phil. students

a) Supervised : Nil b) Ongoing : Nil

Number of Publications

03

Achievement and awards

Nil

Professional Experiences (15 Years 06 Months)

- 15 Years 06 Months
- Six Years & Six Months Teaching Experience at Degree level engineering college(SIT, Siliguri)
- **Lecturer** (8000 – 275 – 13500), From 08/09/2000 to 31/08/2004
- **Senior Lecturer** (10000 – 325 – 15200), From 01/09/2004 to 19.02.2007
- Nine Years Experience as University Officer (USIC, NBU)

- **Technical Officer II** PB 3 (15600 – 39100) + GP 8000, From 20/02/2007 to 19/02/2010
- **Technical Officer II** PB 4 (37400 – 67000) + GP 9000, From 20/02/2010 to Continuing

Administrative Experience

Nine Years as Technical Officer II, NBU

Members of Professional Bodies

Nil

Any other Information

Pursuing Ph. D from Dept. of Physics, NBU under the Supervision of Prof. Malay Kumar Das.

Publications

1. “Comparison of the Orientational Order Parameters Determined From X-Ray Diffraction and ¹³C NMR Studies of a Hockey Stick Shaped Compound” Gautam Sarkar, Malay Kumar Das, Ranjit Paul, Banani Das and Wolfgang Weissflog, **Phase Transitions** **82**, 433(2009).
2. “Structural investigations of a non calamitic shaped liquid crystalline compound showing unusual phases” Gautam Sarkar, Banani Das, Malay Kumar Das, Ute Baumaister and Wolfgang Weissflog. *Mol. Cryst. Liq. Cryst., Mol. Cryst. Liq. Cryst., Vol. 540: pp. 188–195, 201.*
3. “Determination of the orientational order parameter of the homologous series of 4-cyanophenyl 4-alkylbenzoate (n.CN) by different methods” Malay Kumar Das, Gautam Sarkar, Banani Das, Ratan Rai and Neeraj Sinha, **J. Phys.: Condens. Matter**, 24 (2012) 115101 (9pp).