



Faculty Profile

Name of the Teaching staff	Designation	Qualification	Specialisation	No. of Years of Experience
Dr. Anup Kumar Sahoo	Assistant Professor	M.Sc., Ph.D.	Nuclear Physics	19

Personal Details:

Father's Name : Late Prakash Ch. Sahoo.

Date of Birth : 4th January, 1977

Nationality : Indian.

Religion : Hindu

Mobile : 9830690110

- Ph.D. in Nuclear Physics from Jadavpur University in 2011.
- M.Sc. in Physics from Jadavpur University in 2000.
- B.Sc. (Hons.) in 1998.
- Joined Budge Budge College in 2005.

LIST OF PUBLICATIONS

1. Temperature effects on the structure of liquid D-methanol through neutron diffraction — A. Sahoo, S. Sarkar, P. S. R. Krishna and R. N. Joarder, *Pramana-J. Phys.* **63**(2004)183-188.
2. Difference in structure and correlations of isomers 1- and 2-propanols in liquid state through neutron diffraction — A. Sahoo, P. S. R. Krishna, A. B. Shinde and R. N. Joarder, *Sol. St. Phys.* **49**(2004): 358.
3. Molecular conformation and structural correlations of liquid D-1-propanol through neutron diffraction — A. Sahoo, S. Sarkar, P. S. R. Krishna, V. Bhagat and R. N. Joarder, *Pramana-J. Phys.* **71**(2008): 133-141.
4. Molecular Cluster and atom-atom Distribution Function in Liquid Methanol through Neutron Diffraction—P. P. Nath, A. Sahoo, V. Bhagat and R. N. Joarder, *Solid State Phys.* **53**(2008)585.
5. The probable Molecular Association in Liquid D-1- propanol through Neutron Diffraction — A. Sahoo, S. Sarkar, V. Bhagat and R. N. Joarder, *Sol. St. Phys.* **53**(2008)581.; *Ibid. J. Phys. Chem.* **A113**(2009): 5160.
6. Temperature Effects on the Liquids Structure of Alcohols vis-a-vis that of Water from Diffraction Data— A. Sahoo, P. S. R. Krishna and R. N. Joarder, *Sol. St. Phys.* **54**(2009): 521.
7. Effect of temperature on the molecular association in liquid D-methanol using neutron diffraction data — A. Sahoo, P. P. Nath, V. Bhagat, P. S. R. Krishna, R. N. Joarder, *Physics and Chemistry of Liquids* **48**(2010): 546.
8. Molecular conformation and liquid structure of 2-propanol through neutron diffraction — A. Sahoo, S. Sarkar, P. S. R. Krishna and R. N. Joarder, *Pramana-J. Phys.* **74s**(2010): 765-779.

9. Monte-Carlo Structure Factor (MCSQ) Calculation for Liquid Structure of H-bonded Molecular Liquids — A. Sahoo and R. N. Joarder, *AIP Conference Proceedings* 1349, 521-522(2011).
10. Upadhyay D, Bera M, Sahoo A K (2019). Antibacterial Activity of Some Unifloral Honeys from Eastern India. *Journal of Botanical Society of Bengal*. 73 (2): 81-88
11. Review on Carbon Dot a Novel Nano Medicinal Approach: Structure, Properties & Synthesis- Debdip Mandal, Soma Jana, Avijit Kumar dey, Anup Kumar Sahoo, Sandip Kumar Pahari, Biplab Debnath, *Obstetrics & Gynaecology Forum* 2024 ; 34-2s:230-242.
12. *The Study of Some Medicinal Plants in India*, Anup Kumar Sahoo and Soma Jana, LAMBERT Academic Publishing, ISBN: 978-620-746940-6.
13. *Study of Some Non Simple Liquids*, Anup Kumar Sahoo, LAMBERT Academic Publishing, ISBN: 978-3-659-90225-3.

Ongoing and Completed Research Projects and Consultancies

Completed Project	Title	Agency	Period
1	Investigation of Non-simple liquids	UGC, Govt. of India. Sanction order no. F. -32/12-13(ERO)	24 Months (March, 2013-February, 2015)

Papers presented in Conferences, Seminars, Workshops, Symposia

Sl. No	Title of the paper presented	Title of Conference/ Seminar	Organized by
1.	Temperature Effects on the Liquids Structure of Alcohols vis-a-vis that of Water from Diffraction Data	54th DAE Solid State Physics Symposium, MS University, Baroda, Vadodara, India	Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai (2009)
2.	Monte-Carlo Structure Factor (MCSQ) Calculation for Liquid Structure of H-bonded Molecular Liquids	55th DAE Solid State Physics Symposium, Manipal, India	Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai (2010)

Research Work presented as Posters

Sl. No	Title of the research work	Title of Conference/ Seminar	Organized by
1.	Antiulcer, Thrombolytic and Antibacterial Activities of <i>Croton bonplandianum</i> and <i>Eupatorium triplinerve</i>	International Conference 'Algae, Fungi and Plants: Systematics to Applications'	Department of Botany, University of Calcutta in collaboration with the Botanical Survey of India, January 24-25, 2020
2.	'Natural Plant Compounds As Putative Therapeutic Drugs against Oncogenic <i>H. pylori</i> ', Co-authored (correspondent)	International Conference 'International Symposium on Plant Taxonomy, Ethnobotany and Botanic Garden'	Botanical Survey of India during Feb 13-14, 2023

