

Faizyab Ahmad, Ph.D.

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Lab.231, School of Physical Sciences, Jawaharlal Nehru University, New Delhi-110067, INDIA.

Education

- 2014 – 2022 **Ph.D., School of Physical Sciences, Jawaharlal Nehru University, New Delhi, INDIA.**
Thesis title: “Role of coarse-graining length scales in continuum models of soft-matter: A study in terms of inhomogeneous density of the disordered state.”
Thesis Supervisor: Professor Shankar Prasad Das
- 2011 – 2013 **M.Sc. Physics, Indian Institute of Technology Delhi, New Delhi, INDIA.**
CGPA: 6.47/10
- 2008 – 2011 **B.Sc.(Honours), Physics, Hindu College, University of Delhi, New Delhi, INDIA.**
Percentage: 64.33
- 2008 **12th, CBSE, Little Flowers Public Senior Secondary School, New Delhi, INDIA.**
Percentage: 84.80
- 2006 **10th, CBSE, Little Flowers Public Senior Secondary School, New Delhi, INDIA.**
Percentage: 91.00

Research Publications

Journal Articles

- 1 **Faizyab Ahmad** and S. P. Das, “Metastable states of microgel fluids with hertzian interaction potentials,” *Physica A: Statistical Mechanics and its Applications*, vol. 608, 2022, ISSN: P1. [DOI](#): 10.1016/j.physa.2022.128262.
- 2 L. Premkumar, **Faizyab Ahmad**, and S. P. Das, “Localization, disorder, and entropy in a coarse-grained model of the amorphous solid,” *Entropy*, vol. 23, 2021, ISSN: 9. [DOI](#): 10.3390/e23091171.

Conference Proceedings

- 1 **Faizyab Ahmad** and S. P. Das, “Elastic constants for the inhomogeneous amorphous states of the hard-sphere system,” in *Proceedings of the 65th DAE Solid State Physics Symposium, Volume 55 (2021)*, DAE Convention Centre, Anushaktinagar, Mumbai, INDIA, 2021, pp. 412–414. [URL](#): <https://www.daessps.in/code/templates19.php>.

Research Interests

- Statistical physics of liquids
- Statistical Physics and its applications to biological systems.
- Crystal nucleation
- The supercooled liquid

Skills

Languages	📖	Good reading, writing, and speaking competencies in English, Hindi, and Urdu. Arabic (reading only).
Coding	📖	Fortran, L ^A T _E X, ...
Operating Systems	📖	Linux, Windows XP/VISTA, Mac.
Software	📖	NUMERICAL ALGORITHMS GROUP (NAG).

References

Prof. Shankar Prasad Das (Ph.D. Thesis Supervisor)

Professor

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Jawaharlal Nehru University, New Delhi.

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Dr. Leishangthem Premkumar

Postdoctoral Fellow

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Science Research Center, Beijing, China.

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Prof. Pradipta Bandyopadhyay

Professor

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