

SHUBHAM PURWAR

Research Scholar (JRF)
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D.O.B-September 09, 1996

Objective:

I am motivated towards a career in scientific research, accepting every challenge and to serve the humanity with my abilities.

Present working

I am working on 2 dimensional magnetic material with the guidance of Dr. Thirupathaiah Setti.

Magnetism has been proven to be widely helpful in the understanding of quantum nature of materials. Two-dimensional magnetism, which is associated with strong intrinsic spin fluctuation, has long been the focus of fundamental questions in condensed matter physics regarding our understanding and control of new phases. Two dimensional atomic crystals that contains magnetic element and thus exhibit intrinsic magnetic properties.

Educational Qualifications:

Degree	Year	Institute (Board)	Percentage
Master of Science (Physics)	2019	SNBNCBS, Calcutta University	78.9%
Bachelor of Science (Physics Hons.)	2016	Kirorimal college Delhi University	83.7%
Higher Secondary (+2)	2013	S.V.M. Inter college Fatehpur (U.P.)	89.6%
Secondary	2011	S.V.M. Inter college Fatehpur(U.P.)	79.8%

Area of Interest: Tight binding model, ARPES data analysis, material sciences and 2 dimensional magnetic materials.

Scholarship and awards:

- Inspire Scholarship (Under Department of Science and Technology, Govt. of India) 2013-17
- Got monthly stipend during my M.Sc from SNBNCBS (Under Department of Science and Technology, Govt. of India) as an Integrated Phd student (2017- 2019).
- JRF Scholarship (Under Department of Science and Technology, Govt. of India) 2019-Present
- I had secured 109 rank in JEST (National level exam in physics stream).

Projects (Masters):

- 1) **Topic:** “Band structure calculations of a Two Dimensional Lattice using Tight Binding Model”
[8 Weeks]
Guide: Dr. Thirupathaiah Setti, Assitant Professor, SNBNCBS, Kolkata.
- 2) **Topic:** “Understanding of Angle Resolved Photoemission Spectroscopy (ARPES) data” .
[4 Months]
Guide: Dr. Thirupathaiah Setti, Assitant Professor, SNBNCBS, Kolkata
- 3) **Topic:** “Synthesis and characterization of Iron- Selenide” [4 Months]
Guide: Dr. Thirupathaiah Setti, Assitant Professor, SNBNCBS, Kolkata.

Computational Skills:

Basic working knowledge in Fortran language, Origin, gnu plot, Latex, Igor-pro, Power Point presentation, MS Word, Excel.

I hereby declare that the particulars given here are true to the best of my Knowledge.

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