



# NARAJOLE RAJ COLLEGE

(NAAC Accredited B grade)

NARAJOLE: PASCHIM MEDINIPUR: PIN-721211

Contact No.9933881131 E-Mail Id. narajolerajcollege@rediffmail.com



## FACULTY PROFILE

### BASIC PROFILE

**Name** : Arif Iqbal Mallick

**Designation** : Assistant Professor

**Department** : Physics

**Unique ID** :

**E-mail** : aimphy.89@gmail.com

**Contact No** : 9833970175

**Academic Qualification** : M.Sc. (IIT Kharagpur)

**Gender** : Male

**Blood Group** : O+

**Permanent Address** : Vill.-Khandrui, P.O.- Turkagarh,  
P.S. -Dantan, Dist.- PaschimMedinipur, West Bengal, PIN-721445.



Arif Iqbal Mallick

### SERVICE HISTORY

Year of Joining	2019
Previous Employment, if any	N/A
Experience in Teaching	N/A
Area of Teaching:	Statistical Mechanics, Quantum Mechanics, Solid State Physics, Mathematical Physics
Area of Specialization:	Theoretical Condensed Matter Physics
Participation in Administrative activities:	N/A

### RESEARCH PROFILE

Area of Research Interest :	Electronic and magnetic structure of Heusler alloys using Density Functional Theory (DFT) for the purpose Spintronic applications
Research Experience (if any)	6 years



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Conference/Seminar/ Workshop Attended: Title	Year	Role	Organizer
1. Advanced in Magnetics - AIM 2016, Bormio, Italy	2016	Oral Presenter	IEEE (General Chair- Prof. ErmannoCardelli)
2. APCTP-IACS-IITB 2019 Mumbai, India	2019	Poster Presenter	IIT Bombay

Projects ongoing/ completed:			
Title	Funding Agency	Year	Amount (Rs.)
N/A			

Involvement in Academic/ Professional Organizations: N/A  
 SUPERVISOR : N/A  
 ADJUDICATOR : N/A

REVIEWER : NA/  
 Involvement in Academic/ Professional Organizations: N/A

**Books :** N/A

**Chapters in Books :** N/A

**Journals:**

1. A. I. Mallick, Lakhan Bainsla, Aftab Alam, K. G. Suresh et al., *Origin of spin gapless semiconductor behavior in CoFeCrGa : Theory and Experiment*, **Phys. Rev. B** **92**, 045201 (2015).
2. Lakhan Bainsla, A. I. Mallick, Aftab Alam, K. G. Suresh et al., *High spin polarization and large spin splitting in equiatomic quaternary CoFeCrAlHeusler Alloy*, **J. Magn. and Magnetic Mater.** **394**, 82-86 (2015).
3. Lakhan Bainsla, A. I. Mallick, Aftab Alam, K. G. Suresh et al., *Spin gapless semiconducting behavior in equiatomic quaternary CoFeMnSiHeusler alloy*, **Phys. Rev. B** **91**, 104408 (2015).

**Conf. Proceedings:** N/A

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