



## RAMMOHAN COLLEGE

### FACULTY ACADEMIC PROFILE



Name: Saurav Dutta  
Department: Physics  
Email: saudutta@gmail.com

Academic background: M.Sc, Ph.D

Positions: Assistant Professor

Awards/ Honours: -

Research interest: Nanotechnology and nanomaterials

Project: -

Research guidance: -

Selected publications:

- Shallow acceptor state in ZnO realized by ion irradiation and annealing route

S. Pal, T. Rakshit, S.S. Singha, K. Asokan, **S. Dutta**, D. Jana, A. Sarkar

**Journal of Alloys and Compounds 703 (2017) 26-33**

- **Realization of two-dimensional ferromagnetism with giant coercivity in ultrathin  $\beta$ -Ni(OH)<sub>2</sub> layers grown on a MoS<sub>2</sub> surface**

Shatabda Bhattacharya, Diptiman Dinda, Bikash Kumar Shaw, **Saurav Dutta**, and Shyamal K. Saha  
**PHYSICAL REVIEW B 93, 184403 (2016)**

- High creep strain rates observed in nanocrystalline  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> particles by nano indentation measurement

P. Hajra, D.R. Saha, M.R. Mada, S. Dutta, P. Brahma, P. Boughton, S. Bandyopadhyay, D. Chakravorty

**Materials Science & Engineering A 605(2014)1-7**