

# Annual Report & Audited Statement of Accounts **2021-22**



**Institute of Physics**  
**Bhubaneswar**



7. **Structure assigned optical transitions from single walled carbon nanotube based high absorber composite thin film coatings**  
Sonia Saini, S Reshmi, Girish M Gouda, Kuntala Bhattacharjee; *IOP Conf. Ser.: Mater. Sci. Eng.* 1221 012042, (2022)
8. **In-situ STS studies and first principles calculations on bare and Sn adsorbed UHV exfoliated WS<sub>2</sub> layers**  
Manu Mohan, Vipin Kumar Singh, Mihir Ranjan Sahoo, S Reshmi, Sudipta Roy Barman, Kuntala Bhattacharjee; *IOP Conf. Ser.: Mater. Sci. Eng.* 1221 012046, (2022)
9. **Silver adsorption on monolayer MOS<sub>2</sub> and WS<sub>2</sub>: A first principles study**  
S Reshmi, Mihir Ranjan Sahoo, Kuntala Bhattacharjee; *Proceedings of the 65th DAE Solid state physics symposium*, Vol 55 (2021), Pg No: 564, ISBN:81-8372-085-4
10. **In-situ STS studies and first principles calculations on the mechanically exfoliated WS<sub>2</sub> layers**  
Manu Mohan, Vipin Kumar Singh, Mihir Ranjan Sahoo, S Reshmi, Sudipta Roy Barman, Kuntala Bhattacharjee; *Proceedings of the 65th DAE Solid state physics symposium*, Vol 55 (2021), Pg No: 578, ISBN:81-8372-085-4
11. **Corelation between and absorption features and optical transitions from SWCNT based thinfilm coating**  
Sonia Saini, S Reshmi, Girish M Gouda, Kuntala Bhattacharjee; *Proceedings of the 65th DAE Solid state physics symposium*, Vol 55 (2021), Pg No: 564, ISBN: 81-8372-085-4

### 3.3 Other Publications (by Library Staff)

- **Research on Fake News: An Empirical Analysis of Selected Library and Information Science Journals,**  
Sahoo, J., Sahu, S.C., and Mohanty, B., *DESIDOC Journal of Library & Information Technology*, Vol. 41, No. 4, 455-462, DOI: 10.14429/djlit.41.4.17168 (2021)
- **Research Productivity and Citation Impact of Indian institutes of Science Education and Research,**  
Sahoo, J., Sahu, S.C., and Mohanty, B. *DESIDOC Journal of Library & Information Technology*, Vol. 41, No. 6, 455-462, DOI: 10.14429/djlit.41.6.17069 (2021)

### 3.4. (A) AWARDS / HONOURS AND RECOGNITIONS FACULTY

#### Prof. Shikha Varma

- Endowment Chair Professor, Dr. K. C. Patel Research & Development Center (KRADLE), CHARUSAT, Gujarat : Since 2021

#### Prof. T. Som

- Executive Body Member (Eastern India), Ion Beam Society of India (Continuing)