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### Publication

- **Ratan Kumar Das** and Suman Das, Growing Menace of E-Waste in India: Need of Systematic Management, J. Chem. Bio. Phy. Sci. Sec. D, February 2014 – April 2015; Vol.5, No.2; p2212-2225. E-ISSN: 2249-1929.

#### 1. Details of papers presented:

S.No	Title of Paper	Journal/Conference	Year
1.	Lasing without population Inversion in H <sub>2</sub> molecules	National Seminar on Condensed Matter, Laser and Communications	2015
2.	Growing Menace of E-Waste in India: Need of Systematic Management	Journal of Chemical, Biological and Physical Sciences	2015
3.	Need for proper management of E-waste in India	NCETMMS (National)	2015
4.	Human and environmental effects of E-waste	National Conference on Biophysics: Impact on Today's Society	2016
5.	Comparison Study for Theoretical EMF Radiation and Practical Realization of cell Phone Towers	The International Journal of Science & Technology	2016

6.	Preparation of ZnO Nanorods by Hydrothermal Process at different temperatures	International Journal of Scientific Research in Physics and Applied Sciences	2017
7.	Applications of Metal Compound Nanomaterials in Quantum Dot Sensitized Solar Cells	International Journal of Scientific Research in Physics and Applied Sciences	2017
8.	Optical and Electrical Properties of ZnO Nanorods at different temperatures	International Journal of Scientific Research in Physics and Applied Sciences	2017

## 2. Details of Seminars and conferences attended:

Sl. No.	Name of Seminar/Conference	Place	Duration	Sponsoring Agency
1.	Quantum Mechanics: Inception, Evolution & Future (National)	Narasinha Dutt College, Howrah	24.11.2011-26.11.2011	UGC
2.	Advancement in Modern Physics (National)	Ramakrishna Mission Residential College, Narendrapur	23.08.2013-24.08.2013	UGC
3.	Condensed Matter, Laser and Communication (National)	Burdwan University	27.02.2015-28.02.2015	UGC
4.	NCETMMS (National)	Calcutta Mathematical Society, Kolkata	17.12.2015-19.12.2015	Calcutta Mathematical Society
5.	Biophysics: Impact on Today's Society	Victoria Institution (Kolkata)	07.09.16 – 08.09.16	UGC
6.	The central role of light in science and importance of optical technologies	St. Paul's C.M. college (Kolkata)	15.12.16-16.12.16	UGC