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**DESIGNATION** Assistant Professor, Dept. Of Physics, Raiganj University

**QUALIFICATION** M. Sc., Ph. D.

**LIST OF PUBLICATIONS**

***Journal publications***

1. Study of the effect of trap levels on steady-state dark I-V characteristics in

Safranine-T based solid state thin film photoelectrochemical cell by S. K. Dey,

Md. Rabiul Islam, N. B. Manik, and A. N. Basu, J. of Materials Science:

Materials in Electronics, 13, 249, 2002.

2. Non-exponential photocurrent growth and decay behavior in a

photoelectrochemical cell using Safranine-T dye as optical active material S.

K. Dey, Md. Rabiul Islam, N. B. Manik, and A. N. Basu J. of Materials

Science 38, 91, 2003.

3. Photocurrent growth and decay behavior of Crystal Violet dye based

photoelectrochemical cell in photovoltaic mode.

Md. R. Islam, S. Maity, A. Haldar, N. B. Manik and A. N. Basu, Ionics 18,

209- 214 (2012)

4. Transient current study in Safranine-T dye based organic phto-electrochemical cell

using exponentially distributed trap assisted charge transport model.

Md. R. Islam, S. Saha, N. B. Manik and A. N. Basu . IJP (INJP-D-11-00179).

5. P.C. Barman, A. Das, and Md. R Islam, IJASE, 4(2) 2017, 97-101

6. P.C. Barman, A. Das, and Md. R Islam, IJIRR, 4(2) 2017, 3642-3645

**Conference Papers**

1. Organic photovoltaic devices based on some dyes: Investigation-Prospect-

Challenges

S. Maity\*, A. Haldar, S. Saha, R. Islam, N. B. Manik, accepted in International

onference on ‘Advances in Energy Research (ICAER) 2011. IIT Mumbai

(December 9-11) (MS#ICAER11/ 090)

2. Trapping of light energy by modification of back electrode of Crystal violet dye

and Fullarene based organic photovoltaic device by S. Saha, Md. R. Islam and

N. B. Manik\*, Accepted in Photovoltaic technical conference 2010, France

(May 25-27, 2011)

3. Photovoltaic effect of Malachite Green dye in different electrode system by A.

Halder, S. Maity, S. Saha, Md. R. Islam and N.B. Manik\* , accepted in Photovoltaic

technical conference 2010, France (May 25-27, 2011)

4. Electrical and photovoltaic properties of Methyl Violet dye based solid state

photoelectrochmical Cell. A. Haldar, Md. Rabiul Islam and N.B. Manik.

CMDAYS- 2010,Kolkata.

5. Current transient study in sandwiched Safarnine-T dye doped PVA system, Md.

Rabiul Islam, N. B.Manik\*, A. N. Basu, March Meeting, 2002, Indiana