

## BIO-DATA

1. Name and full correspondence address –

**RINA DE**

Office Address

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Raja Rammohun Roy Mahavidyalaya  
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3. Institution –

**Raja Rammohun Roy Mahavidyalaya**

Radhanagar, Nangulpara, Hooghly  
PIN-712406, West Bengal, India

4. Date of Birth – 30 / 11 / 1961

5. Gender (M/F/T) – F

6. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	% of marks
1.	B.Sc	1982	Physics (Honours), Chemistry (General), Mathematics (General)	Burdwan University	60.0
2.	M.Sc	1984	Physics	Burdwan University	67.6

7. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award –

Ph.D thesis title: Investigation of Electron Transfer Processes in some donor and acceptor systems in different environments by steady state and time resolved spectroscopic methods.

Guide's Name: Tapan Ganguly

University: Jadavpur University

Year of Award: 1994

8. Work experience (in chronological order) –

S. No	Positions held	Name of the Institute	From	To	Pay Scale
1.	Lecturer	Raja Rammohun Roy Mahavidyalaya	02-07-2001	02-07-2005	8,000-13,500
2.	Sr. Lecturer	Do	02-07-2005	31-12-2005	10,000-15,200
3.	Assistant Prof.	Do	01-01-2006	01-07-2007	15,600-39,100
4.	Assistant Prof (AGP-7000).	Do	02-07-2007	01-07-2010	15,600-39,100
5.	Assistant Prof. (AGP-8000).	Do	02-07-2010	01-07-2013	15,600-39,100
6.	Associate Prof. (AGP-9000).	Do	02-07-2013	Till Date	37,400-67,000

9. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant –

S. No	Name of Award	Awarding Agency	Year
1.	NET (Lectureship)	UGC	1989

10. Publications (List of papers published in SCI Journals, in year wise descending order) –

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	S.Bhattacharyya, P. Sinha, R. De and C. Hens	Mortality makes coexistence vulnerable in evolutionary game of rock-paper-scissors	Phys. Rev. E	102	012220	2020
2.	B. Dutta, R. De, J. Chowdhury	Prototropic tautomerism of 4-Methyl 1,2,4-Triazole-3-Thione molecule in solvent water medium: DFT and Car-Parrinello molecular dynamics study	Chem. Phys.	463	30	2015

3.	B. Dutta, R. De, J. Chowdhury	Ab initio and DFT study to understand the physics behind the conformational barriers of isobutyl cyanide molecule	Ind. J. Phys.	87	855	2013
4.	B. Dutta, R. De, C. Pal, J. Chowdhury	Vibrational analysis of the conformers and understanding the genesis of the internal rotational barriers of Isobutyl Cyanide molecule	Spectrochim. Acta A	96	837	2012
5.	B. Choudhury, R. De, P. Sett, J. Chowdhury	Relaxation of the excited N-(2-hydroxy benzylidene) aniline molecule: An Ab initio and TD DFT study:	J. Chem. Sci.	122	857	2010
6.	J. Chowdhury, J. Sarkar, M. Ghosh, R. De, G. B. Talapatra	Adsorption of 2-Amino-6 Methyl Benzothiazole on colloidal silver particles: SERS and Quantum Chemical calculations:	Chem. Phys.	330	172	2006
7.	A. Chakraborty, R. De, N. Guchhait	Dissection of methyl internal rotational barrier in thioacetone	Chem. Phys. Lett.	432	616	2006
8.	J. Sarkar, J. Chowdhury, M. Ghosh, R. De, G. B. Talapatra	Experimental and theoretical SERS study of 2-Amino-4-Methyl benzothiazole adsorbed on silver colloidal particles	J. Phys. Chem. B	109	22536	2005
9.	M. Lor, R. De, S. Jordens, G. De Belder, G. Schweitzer, M. Cotlet, J. Hofkens, T. Weil, A. Herrmann, K. Müllen, M. V. Der Auweraer, F. C. De Schryver	Generation-dependent energy dissipation in rigid dendrimers studied by femtosecond to nanosecond time-resolved fluorescence spectroscopy	J. Phys. Chem. A	106	2083	2002
10.	M. Maus, R. De, M. Lor, T. Weil, S. Mitra, Uwe-M. Wiesler, A. Herrmann, J. Hofkens, T. Vosch, K. Müllen, F. C. De Schryver	Intramolecular Energy Hopping and Energy Trapping in Polyphenylene Dendrimers with Multiple Peryleneimide Donor Chromophores and a Terryleneimide Acceptor Trap Chromophore	J. Am. Chem. Soc.	123	7668	2001

11.	R. De, Y. Fujiwara, B. Zhang, Y. Tanimoto	Magnetic Field Effect on the Intramolecular Exciplex Fluorescence of Chain-Linked Pyrene/N,N-Dimethylaniline Systems	Bull. Chem. Soc. Jpn.	73	1573	2000
12.	R. De, Y. Fujiwara, T. Haino, Y. Tanimoto	Effect of high magnetic fields on intramolecular exciplex fluorescence of pyrene and dimethylaniline systems	Chem. Phys. Lett.	315	383	1999
13.	R. De, S. Bhattacharyya, T. Ganguly	Investigation of excited state electron-transfer reactions. A search for other associative processes	Spectrochim. Acta A	50	325	1994
14.	P. Jana, R.De, T. Ganguly	Steady state and time resolved spectroscopic studies of the photoinduced electron-transfer reactions between electron donor xylenol and acceptor tetracyanoquinodimethane in acetonitrile at room temperature	J. Lumin.	59	1	1994
15.	R. De, S. Bhattacharyya, T. Ganguly	Experimental investigation of excited state electron transfer reactions between some bicyclic molecules and tetracyanoquinodimethane (TCNQ)	Spectrochim. Acta A	50	2155	1994
16.	R. De, T. Ganguly, S. B. Banerjee	Quenching of 9,10-diphenylanthracene fluorescence by tryptophan in anionic, cationic and non-ionic micelles.	Chem. Phys. Lett.	199	17	1992

#### 11. Detail of patents – N.A.

S. No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status

12. Books/Reports/Chapters/General articles etc. – N.A.

S. No	Title	Author's Name	Publisher	Year of Publication

13. Any other Information (maximum 500 words) –

Recently interested in Game theoretic approach of dynamical studies of the systems of cyclically competing species.