



Bolpur College, Bolpur, Birbhum, WB - 731204

DEPARTMENT OF CHEMISTRY

Teachers' Profile

Name: Dr. MRINAL KANTI NAYAK

Date of Birth: 26.11.1966

Nationality: Indian

Sex: Male

Marital Status: Married

Current Academic Position: Associate Professor, Department Of Chemistry.
Bolpur College, Bolpur Birbhum-731204.

Mob: 9434474233

Date of Joining: 10.03.1997

Experience: a. In this Institution: 26 Years

b. Total teaching experience in college: 26 Years

1. Academic Qualifications: (Starting from 10th Std.)

Name of Examination passed	Name of Board/University/ Institution	Division/class	Year of passing	% of Marks obtained	Subjects taken
10	WBBSE	I	1983	75.7	Beng, Eng, P Sc, L Sc, Math, Hist, Geo, Addl Math
10 + 2 (Science)	WBCHSE	I	1985	69.6	Beng, Eng, Math, Phys, Chem, Bio
BSc	Burdwan University	II	1988	54.5	Hons: Chemistry Subsi: Physics & Math
MSc	Burdwan University	I	1990	69.9	Organic Chemistry
SLET		Qualified	1994	NA	Chemical Sciences
JRF NET	CSIR	Qualified	1994	NA	Chemical Sciences
GATE		AIR-21	1995	NA	Chemical Sciences

2. Research Experience:

a. Doctoral:

Degree	Name of University/ Institution	Subject	Year of award	Title of Thesis
Ph.D.	The University Of Burdwan	Chemical Science	1999	Synthetic Studies on Organo Sulfur Compounds

3. Detailed List of publication:

a) Research papers and Articles:

- 1. TETRAHEDRON LETTERS 1997, VOL.38, ISS. 50, PP 8749-8752**
Authors : **Nayak M.K. Chakraborti A.k.**
Title: Chemo selective Aryl-Alkyl Ether Cleavage by Thiophenolate Anion Through Its *in-situ* Generation in catalytic Amount.
- 2. TRANSITION METAL CHEMISTRY 1997, VOL.22 PP. 172-175**
Authors: **Das D, Nayak M.K, Sinha C.**
Title: Chemistry of Azoimidazoles: Synthesis, Spectral Characterisation and Redox studies of N(1)-Benzyl-2-(aryloxy) imidazole palladium (II) Chloride.
- 3. POLYHEDRON 1997, VOL. 16, NO.8, PP 1291-1295**
Authors: **Chattopadhyay P, Nayak M.K, Bhattacharya S.P, Sinha C.**
Title: Synthesis and Characterisation of Binuclear Thioazomethine Palladacycles.
- 4. CHEMISTRY LETTERS 1998, ISS. 4, PP 297-298.**
Authors: **Nayak M.K, Chakraborti A.K.**
Title: PhSH- (Catalytic) KF as an Efficient Protocol for Chemo selective Ester-O-Alkyl Cleavage under Non Hydrolytic Neutral Condition.
- 5. TETRAHEDRON LETTERS 1998, VOL. 39, ISS 27, PP 4883-4886**
Authors: **Basak A, Nayak M.k, Chakraborti A.k.**
Title: Chemo Selective O-Methylation of Phenols under NON Aqueous Condition.
- 6. JOURNAL OF ORGANIC CHEMISTRY 1999, VOL.64, ISS.21, PP 8027-8030**
Authors: **Chakraborti A.k, Nayak M.k, Sharma L.**
Title: Selective Deprotection of Aryl Acetates, Benzoates, Pivaloates and Tosylates under Non Hydrolytic and Virtually Neutral Condition.
- 7. TETRAHEDRON 1999, VOL. 55, ISS 31, PP 9595-9600.**
Authors: **Sharma L, Nayak M.k, Chakraborti A.k.**
Title: A Mild and Chemo Selective Method for Ester O-Alkyl Cleavage Using *in-situ* Generated Potassium Thiophenoxide from Catalytic quantities of base.
- 8. J. CHEM. SOC. , PERKIN TRANS 2, 1999, PP 2219-2223**

Authors: **Roy T.R, Datta k, Nayak M.K, Mukherjee A.K, Banerjee M, Seal B.K.**

Title: Study of a Novel Reaction between N,N Diphenylthiourea and p-Choranil Through a Charge Transfer Intermediate.

9. JOURNAL OF ORGANIC CHEMISTRY, 2002, VOL.67, NO.6 PP 1776-1790

Authors: **Chakraborti A.k, Nayak M.K, Sharma L.**

Title: Diphenyl Disulfide and Sodium in NMP as an efficient protocol for *in-situ* Generation of Thiophenolate Anion Selective Deprotection of Aryl-Alkyl Ethers and Aryl-Alkyl Esters under Nonhydrolytic Conditions.

10. JOURNAL OF ORGANIC CHEMISTRY, 2002, VOL.67, NO.8 PP 2541-2547

Authors: **Chakraborti A.k, Sharma L, Nayak M.K.**

Title: Influence of Hydrogen Bonding in the Activation of Nucleophiles PhSH- (catalytic) KF in N-Methyl-2-pyrrolidone as an efficient protocol for Selective cleavage of Alkyl Aryl Esters and Aryl Alkyl Ethers under Nonhydrolytic and Neutral condition.

11. JOURNAL OF ORGANIC CHEMISTRY, 2002, VOL.67, NO.18 PP 6406-6414

Authors: **Chakraborti A.k, Sharma L, Nayak M.K.**

Title: Demand-Based Anion Generation under Virtually Neutral Conditions. Influence of steric and Electronic Factor on Chemo-and Regioselective Cleavage of Aryl Alkyl Ethers.