

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjan Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjanmridha@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail : principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. 808 /GM/2024

Date: 02/01/2024

To Whom It May Concern

It is hereby certified that A **Book Chapter** Entitled 'Cross Dehydrogenative Coupling' (CDC) reaction: Mechanism and intermediates with recent reports of Dr. Sujit Ghosh , Assistant Professor of Chemistry, Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur has been published on A Book on 'Fascinating Science' ISBN 978-93-82549-92-5 published on Nov-2021 by Tandrita Bhaduri, Rachayita, 59/5, Garfa Main road, Kolkata 700075 edited by Dr. Niranjan Kumar Mridha, Associate Professor of Chemistry , Gour Mahavidyalaya, Mangalbari, Malda.

Dr. Niranjan Kumar Mridha
Editor
Associate Professor
Gour Mahavidyalaya, Mangalbari,
Malda, West Bengal

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjana Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjana.mridha@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail : principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No - 835 /GM/2024

Date: 11/11/2024

To
The Controller
UGB, Makdumpur, Malda

Subject- Requesting for seeking Internal Examiner of Chemistry Major Practical Examination -2024 of Semester –II

Sir

This is to inform you that the Chemistry Major Practical Examination -24 of Semester-II will be started from today i.e 11.11.24. For smooth conducting of this examination an internal examiner with inorganic specialization is very important. If Gulbuddin Hekmotiar , SACT-II of our College be appointed as internal Examiner for solving this problem I will be grateful to you.

Thanking You

Dr. Niranjana Kumar Mridha
Associate Professor
Department of Chemistry
Gour Mahavidyalaya, Malda

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjana Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjana.mridha@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail : principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. /GM/2024

Date: 18.11.24

Notice

It is hereby notified to all the 5th Semester Honours students of Chemistry department that the Class Test Examination will be held on 27.11.24 from 12.00 noon to 2.00 pm. All are asked to appear at the said Class test Examination positively.

Syllabus :

1. Organic Chemistry- (CEMHT-12) Pericyclic and Heterocyclic Chemistry.
2. Inorganic Chemistry- Coordination Chemistry –II (DCT-11)
3. Advanced Physical Chemistry (E-1A)- Crystal structure
4. Analytical Methods in chemistry(2A)- Qualitative and quantitative aspect of analysis
5. Basic analytical Chemistry- (1B)- Introduction

Dr. Niranjana Kumar Mridha
Associate Professor
Gour Mahavidyalaya, Mangalbari,
Malda, West Bengal

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjan Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjankumar@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail : principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. /GM/2024

Date: 18.11.24

Notice

It is hereby notified to all the 1st Semester students of Chemistry Major of department that the Class Test Examination will be held on 27.11.24 from 12.00 noon to 2.00 pm. All are asked to appear at the said Class test Examination positively.

Syllabus :

- 1 Organic Chemistry- As per Class
2. Physical Chemistry- As Per class

Dr. Niranjan Kumar Mridha
Associate Professor
Gour Mahavidyalaya, Mangalbari,
Malda, West Bengal

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjana Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjana.mridha@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail : principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. /GM/2024

Date: 06.12.23

Notice

It is hereby notified to all the Guardians of the students of 1st, 3rd and 5th Semester of Chemistry department that a meeting will be held on 06.12.23 at 12.30 pm at Room No. 230. All are requested to attend the meeting positively.

Dr. Niranjana Kumar Mridha
Associate Professor
Gour Mahavidyalaya, Mangalbari,
Malda, West Bengal

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjan Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjanmridha@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail : principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. /GM/2022

Date:

Notice

It is hereby notified to all the 1st Semester students of Chemistry Major of department that the Class Test Examination will be held on 18.11.22 from 12.00 noon to 2.00 pm. All are asked to appear at the said Class test Examination positively.

Syllabus :

- 2 Organic Chemistry- As per Class
2. Physical Chemistry- As Per class

Dr. Niranjan Kumar Mridha
Associate Professor
Gour Mahavidyalaya, Mangalbari,
Malda, West Bengal

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjan Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjanmridha@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail :principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. /GM/2024

Date:

Notice

It is hereby notified to all the 18.12.2024 Semester students of Chemistry Major of department that the Class Test Examination will be held on 22.04.2024 room 12.00 noon to 2.00 pm. All are asked to appear at the said Class test Examination positively.

Dr. Niranjan Kumar Mridha
Associate Professor
Gour Mahavidyalaya, Mangalbari,
Malda, West Bengal

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjan Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjankumar@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail :principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. /GM/2024

Date:

Notice

It is hereby notified to all the 2nd, 4th and 6th Semester students of Chemistry Major of department that the Class Test Examination will be held on 18.11.22 from 12.00 noon to 2.00 pm. All are asked to appear at the said Class test Examination positively.

Syllabus :

- 3 Organic Chemistry- As per Class
2. Physical Chemistry- As Per class

Dr. Niranjan Kumar Mridha
Associate Professor
Gour Mahavidyalaya, Mangalbari,
Malda, West Bengal

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjana Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjana.mridha@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail : principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. /GM/2022

Date: 08.12.22

Notice

It is hereby notified to all the 1st, 3rd and 5th Semester students of Chemistry Major of department that the Class Test Examination will be held on 08.12.22 from 12.00 noon to 2.00 pm. All are asked to appear at the said Class test Examination positively.

Syllabus :

1. Organic Chemistry- As per Class
2. Physical Chemistry- As Per class
3. Inorganic Chemistry –As per class
4. Analytical Chemistry- As per Class
5. Basic Analytical chemistry-As per Class

Dr. Niranjana Kumar Mridha
Associate Professor
Gour Mahavidyalaya, Mangalbari,
Malda, West Bengal

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjan Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjanmridha@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail : principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. /GM/2024

Date: 26-1-25

Seminar / Conference and Publications report of Chemistry Department, Gour Mahavidyalaya, Malda

It is hereby reported that department of Chemistry had organized and published book and Journals which are shown below:

1. Science academy lecture workshop held on 30.11.18 and 01.12.18 entitled “Recent Advances and Current Trends in Chemistry” sponsored and supported by
 - a) Indian Academy of Science, Bengaluru,
 - b) Indian National Science Academy, New Delhi
 - c) The National Academy Sciences Alahabad

Resource Persons:

- a) Prof. Samaresh Bhattachariya, Jadavpur University
- b) Dr. Prasanta Kumar Das IACS, Kolkata, WB
- c) Prof. Tanmay Pathak, IIT, Kharagpur, WB
- d) Dr.. Debajyati Ghoshal, Associate Prof, JU, WB

Sanction Amount Rs. 152860 (One Lakh fifty two thousand eight hundred sixty only.)

2. Webinar entitled “Green and Sustainable Chemistry” held on 22.07.20 in Collaboration with Department of Chemistry of NBU, Darjeeling and UGB, Malda

Resource Persons:

- a) Prof. Basudeb Basu, NBU
- b) Dr Pralay Das, Associate Prof. CSIR-IHBT, Palampur, Himachal Pradesh
- c) Dr. subhash Banerjee , Associate Prof. GGV, Bilashpur
- d) Dr. Ratiram Gomaji Chaudhury, Asst. Prof. Nagpur Maharashtra

Necessary expenses provided by Gour Mahavidyalaya.

3. Edited Book entitled “Fascinating Science” published on 2021
Edited by Dr. Niranjan Kumar Mridha , Associate Prof., Chemistry Financial Support by Gour Mahavidyalaya. ISBN No. 978-93-82549-92-5
Publishers- RACHAYITA
4. Guide Books published in 2021 by Dr. Niranjan Kumar Mridha, Associate Prof., Gour Mahavidyalaya
 - a) A Guide Book of Chemistry For General Degree Course Under CBCS
Vol-I to IV Written By Dr. Niranjan Kumar Mridha , Associate Professor, Gour Mahavidyalaya

5. Journal:

a) Computers in Biology and Medicine 154(2023)106593

Comparative study of the efficiency of silicon carbide, boron nitride and carbon nanotube to deliver cancerous drug, azacitidine: A DFT study

Nabajyoti Baildya a , Sourav Mazumdar b , **Niranjan Kumar Mridha** c , Asoke P. Chattopadhyay j , Abdul Ashik Khan d , Tanmoy Dutta e , Manab Mandal f , Swapan Kumar Chowdhury g , Rahimasoom Reza h , Narendra Nath Ghosh i,*

Acknowledgement **We wish to acknowledge especially Gour Mahavidyala, Malda⁷³²¹⁴²**, Malda, India, for providing computational resources and Prof. Kumaresh Ghosh, Department of Chemistry, University of Kalyani for supporting theoretical calculations.

b) Physica E 135(2022)114993

Physica E: Low-dimensional Systems and Nanostructures

CO₂ activation on transition metal decorated graphene quantum dots: An insight from first principles

Kingkar Ghosh a , **Niranjan Kumar Mridha** b , Abdul Ashik Khan c , Nabajyoti Baildya d , Tanmoy Dutta e , Kinkar Biswas a , Narendra Nath Ghosh f,*

Acknowledgement **We wish to acknowledge especially Gour Mahavidyala, Malda⁷³²¹⁴²**, Malda, India, for providing computational resources and Prof. Kumaresh Ghosh, Department of Chemistry, University of Kalyani for supporting theoretical calculations.

**c) Electrochemical conversion of CO₂ to fuel by MXenes (M₂C):
A first principles study**

NabajyotiBaildya^a, Asoke P. Chattopadhyay^a, AbhijitMandal^b,

SouravMazumdar^c,**NiranjanKumar Mridha**^dNarendra Nath Ghosh^{*e}

^aDepartment of ChemistryUniversity of Kalyani, Kalyani 741235, India

^bDepartment of General Science and Humanities Ghani Khan Choudhury Institute of Engineering & Technology, Malda, 732141, India

^cDepartment of PhysicsDukhulalNibarán Chandra College, Aurangabad, Suti, 742201, India

^d**Department of Chemistry, Department of Chemistry, Gour Mahavidyalaya, Malda, WestBengal, 732142,**

^eDepartment of Chemistry University of GourBanga, Mokdumpur, Malda, 732103, India

d) Antimicrobial peptidesas antiviral therapeutic agents: An extensive study

Palas Mondal^{1#}, Manab Mandal^{2#},**Niranjan Kumar Mridha**³, Abdul Ashik Khan⁴, Tanmoy Dutta⁵, Nabajyoti Baildya⁶, Rahimasoom Reza⁷, Subhankar Choudhury⁸, Swapan Kumar Chowdhury^{9*}Narendra Nath Ghosh^{10*}

¹Chemistry Laboratory, Baruipara High School (H.S.), Murshidabad, West Bengal742165, India

²Department of Botany, Dukhulal Nibarán Chandra College, Suti-742201, India

³**Department of Chemistry, Department of Chemistry, Gour Mahavidyalaya, Malda, West Bengal, 732142, India**

⁴Department of Chemistry, Darjeeling Government College, West Bengal, 734104, India

⁵Departments of Chemistry, JIS College of Engineering, Kalyani-741235, India

⁶Departments of Chemistry, Milki High School, Malda, West Bengal 732209, India

⁷Department of Chemistry, University of North Bengal, Darjeeling 734013, India

⁸Department of Chemistry, Malda College, Malda, 732101, India.

⁹Department of Botany, Balurghat College, Balurghat, West Bengal 733101, India

¹⁰Pakuahat A.N.M. High School, Malda, West Bengal 732138, India

Corresponding author: Narendra Nath Ghosh, Department of Chemistry, University of Gour Banga, Malda - 732103, India Email: ghosh.naren13@gmail.com

Swapan Kumar Chowdhury, Department of Botany, Balurghat College, Balurghat, West Bengal 733101, India
Email: chowdhurywapankr3@gmail.com. #equal contribution of the Authors

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Niranjan Kumar Mridha M.Sc. Ph.D
Associate Professor in Chemistry
niranjanmridha@gmail.com



P.O.- Mangalbari, Dist. : Malda. Pin – 732142 (W.B.)
Phone : 03512- 260547; 9733144274
E-mail : principalgourcollege@gmail.com
Website : www.gourmaha.ac.in

Memo No. /GM/2024

Date: 05.5.26

Notice

All the Students of Chemistry 1st semester of both Major and Minor are hereby informed that Internal, SEC and IAPWC examination will be held on 07.05.26 & 8.05.26 at 12:00 noon. All are asked to attend the examination with proper documents.

Minor: 07.5.26 (from 12:00pm onward)
Major: 08.5.26 (from 12:00 pm onward)

Dr. Niranjan Kumar Mridha