

Dr. MD. ANSAR ALI

Contact: 8777765889

Qualification: M.Sc., M.A., Ph.D.

Designation: Assistant Professor

Teaching Experience (in years): UG: 14 PG: 1

Research Experience (in years): 14

Date of Joining Present Institution: 01/03/2019

Institutions/Companies Previously Served:



Name of Institution/Company	Designation	Tenure	
		From	To
A B N Seal College	Assistant Professor	07/03/2006	23/09/2010
Hooghly Mohsin College	Assistant Professor	24/09/2010	28/02/2019

Examinations cleared: NET-CSIR

Specialization/Research Interest: Inorganic Chemistry/Polymer Chemistry

Courses taught

	B.Sc Honours	B.Sc. Program	M.Sc.
Semester-I	BCHEM 0101: Inorganic Chemistry-I (Core-1) Unit-I, Unit-III, Unit-IV		MSCCHEM 0101: Inorganic Chemistry General I Unit-I, Unit-II MSCCHEM 0104: Analytical General I Unit-I, Unit-II MSCCHEM 0105: Inorganic General (Prac.)
Semester-II			MSCCHEMC201: Inorganic chemistry General II Unit-1, Unit-II MSCCHEMC204: Analytical Chemistry General II Unit-I, Unit-II MSCCHEMC206: Analytical Chemistry General: Practical
Semester-III	BCHEM 0301: Inorganic Chemistry-II (Core-V) Unit-I, Unit-II BCHEM 0302: Inorganic Chemistry-II Lab		MCHEM 0301: Advanced Inorganic Chemistry General Unit-I, Unit-II

Semester-IV	BCHEM 0401: Inorganic Chemistry-III (Core-VIII) Unit-I, Unit-II BCHEM 0402: Inorganic Chemistry-III Lab	CHEMG0401: Inorganic Chemistry Unit-I, Unit-II, Unit-III	MSCCHEM 402 Inorganic chemistry Term Paper/Project
Semester-V	BCHEM 0503: Inorganic Chemistry-IV (Core-XII) Unit-I BCHEM 0504: Inorganic Chemistry-IV Lab BCHEM 0506: Environmental Chemistry (DCE) Unit-I, Unit-II, Unit-III, Unit-IV		
Semester-VI	BCHEM 0601: Inorganic Chemistry-V (Core-XIII) Unit-I BCHEM 0602: Inorganic Chemistry - IV Lab		

Online Mode of Teaching

Online teaching is just one type of distance teaching that takes place over the Internet. It is often referred to as 'e-learning' among other terms. For this purpose I download commonly available Apps in internet for online teaching and instruct the students to download the same. Before starting the class a schedule is prepared with the consultations of the students. Study materials are given in advance to the students through emails along with other social media platforms. Students join the classes by means of devices such as smart phones or personal computers. During class I take the help of *screen sharing* and *whiteboard* facilities along with active interaction with the students. After completion of each topic the students take part in online evaluation.

Publications

Journals:

1. Animesh Acharjee , Atanu Rakshit, Suman Chowdhury, **Md. Ansar Ali**, Bula Singh, Bidyut Saha (2020) Mixed anionic-nonionic micelle catalysed oxidation of aliphatic alcohol in aqueous medium. *Journal of Molecular Liquids*, 303, 112655. <https://doi.org/10.1016/j.molliq.2020.112655>

2. Animesh Acharjee, Atanu Rakshit, Suman Chowdhury, Indukamal Datta, Milan Krishna Barman, **Md. Ansar Ali**, Bidyut Saha (2019), Micellar catalysed oxidation of hydrophobic fatty alcohol in aqueous medium. *Journal of Molecular Liquids*, 293, 111475. <https://doi.org/10.1016/j.molliq.2019.111475>
3. Monohar Hossain Mondal, **Md. Ansar Ali**, Aniruddha Pal, Bidyut Saha (2019), A Review on Micellar Catalyzed Oxidation Reactions of Organic Functional Groups in Aqueous Medium Using Various Transition Metals. *Tenside Surfactants Detergents*, November, 56, 6, 516-525. <https://doi.org/10.3139/113.110654>
4. Animesh Acharjee, Atanu Rakshit, Suman Chowdhury, Susanta Malik, Milan Krishna Barman, **Md. Ansar Ali**, Bidyut Saha (2018), Micellar catalysed and heteroaromatic base promoted rate enhancement of oxidation of an alicyclic alcohol in aqueous medium. *Journal of Molecular Liquids*, 277, 360-371. <https://doi.org/10.1016/j.molliq.2018.12.082>
5. Animesh Acharjee, **Md. Ansar Ali**, Bidyut Saha (2018), A Review of the Synthesis and Utility of Some Lipopathic Permanganate Oxidants. *Journal of Solution Chemistry*, 47, 1449-1478. <https://doi.org/10.1007/s10953-018-0801-5>
6. **Md. Ansar Ali** (2018), Stratospheric ozone layer depletion: A Review. *Victorian Journal of Arts*, Vol. XI Issue II, 90-96.
7. **Md. Ansar Ali** (2018), Development of scientific attitude. *Science and Culture*, Vol. 84 No. 5-6, 185-188.
8. **Md. Ansar Ali** (2018), Nanoscience and nanotechnology for a promising future: A Review, *B. N. Seal Journal of Science*, Volume IX, Issue II, 54-64.
9. **Md. Ansar Ali** (2017), Green Chemistry: A Tool for Sustainable Development. *B. N. Seal Journal of Science*, Vol. IX, Issue I, 92-97.
10. **Md. Ansar Ali** (2015), The Discovery of the Noble Gases: A Review. *Academic Journal of Hooghly Mohsin College*, Volume 10, No. 02, 72-85.
11. **Md. Ansar Ali** (2015), A Brief Overview of the development of Periodic Table. *Academic Journal of Hooghly Mohsin College*, Volume 10, No. 01, 58-69.
12. **Md. Ansar Ali & Saikat Samanta** (2014), Gemstone: A Chemist's Perspective. *Academic Journal of Hooghly Mohsin College*, Vol. 9 No. 2, 16-23.
13. Srijit Das Das, **Md. Ansar Ali & Debnarayan Roy** (2014), Phlogiston theory: Genesis, rise and fall. *B. N. Seal Journal of Science*, Vol. VI, Issue I, 45-50.
14. **Md. Ansar Ali** ((2014), Nanoscience and nanotechnology. *Academic Journal of Hooghly Mohsin College*, Vol-09(1), 24-36.

15. Pranesh Chowdhury & Md. AnsarAli (2008), Vanadium(V) initiated graft copolymerization of vinyl monomers onto poly(vinyl alcohol). *Journal of Indian Chemical Society*, Vol. 85, 600-606.
16. Pranesh Chowdhury , K. Roy, Md. AnsarAli, T. Kundu & A. K. Ghosh (2007), Graft polymerization of methyl methacrylate onto guar gum in presence of ammonium vanadate and hydrogen peroxide *J. polym. Mater.* Vol. 24 No.3, 263-270.
17. Pranesh Chowdhury, Md. AnsarAli & K. Roy (2007), Free radical graft polymerization of methyl methacrylate from polyvinyl alcohol using FeCl₃/K₂S₂O₅ redox pair. *Indian Journal of Chemistry*, Vol. 46A, 1414-1418.
18. S. Samui, A.K. Ghosh, Md. Ansar Ali & P. Chowdhury (2007), Synthesis, characterization and kinetic studies of PEMA grafted acacia gum. *Indian Journal of Chemical Technology*, Vol. 14, 85-91.
19. Pranesh Chowdhury, K. Roy, Md. Ansar Ali, T. Kundu & A. K. Ghosh (2007), Effects of 1,10-phenanthroline on the graft polymerization of vinyl monomers onto guar gum in presence of Fenton's reagent. *J. Indian Chem. Soc.*, Vol. 84, 88-92.
20. Pranesh Chowdhury & Md. Ansar Ali (2005), Preparation of Poly(vinyl alcohol) hydrogel film with acrylic acid for selective absorption of heavy metal ions. *J. Polym. Mater.* Vol. 22 No.3, 277-282.
21. Pranesh Chowdhury & Md. Ansar Ali (2005), Role of 1,10-phenanthroline and orthophosphoric acid on graft polymerization of vinyl monomers from poly(vinyl alcohol) in presence of Fenton's reagent. *Journal of Applied Polymer Science*, Vol. 97, 2335-2339. <https://doi.org/10.1002/app.21460>

Guidance of M.Sc. Projects

1. Pooja Ghoshal (2019-20, Durgapur Government College), Arsenic Contamination of Bengal Basin Groundwater: A Review of Sources, Mobility and Effects on Human Health. (Guide: Md. Ansar Ali)
2. Subham Mondal (2018-19, Durgapur Government College), Pathways of Arsenic Contamination of Bengal Basin Ground Water: A Brief Review, (Guide: Md. Ansar Ali)

Invited Lectures

1. Invited Lecture on "The periodic Table – Past Present and Future (Md. Ansar Ali)" in "One Day State Level Seminar on Celebration of International Year of Periodic Table-2019" held on 4th December, 2019 organized by Department of Chemistry, Durgapur Government College as one of the Golden Jubilee Celebration Events of Durgapur Government College
2. Invited Lecture on "The methods of promoting interest in chemistry (Md. Ansar Ali)" in 22nd West Bengal State Science & Technology Congress held on 28th February-1st March, 2015, organized by Dept. of Science & Technology, Govt. of West Bengal State Council of Science and Technology, Venue: University of North Bengal.

Paper Presentation in seminar/conference/symposium/workshop/discussion meeting

1. Oral Presentation on "*Stratospheric Ozone Layer Depletion: A Review (Md. Ansar Ali)*" in the National Seminar on Approaches to Environment: Society, Culture Polity and Economy held on 26-27 February, 2018 organized by A. B. N. Seal College, Cooch Behar in collaboration with IGNOU.
2. Oral Presentation on "*Nanoscience and Nanotechnology for a promising future: A Review (Md. Ansar Ali)*" in the National Seminar on Science & Mankind – A Better Future Tomorrow held on 22-23 February, 2018 organized by A. B. N. Seal College, Cooch Behar in collaboration with IGNOU
3. Poster Presentation on "*Ground water arsenic contamination in West Bengal: A Review (Md. Ansar Ali)*" in the 3rd International Conference On Mother Earth: Environmental Crisis & Sustainable Strategies held on 11-13 January, 2018 organized by the Department of Environmental Science, The University of Burdwan.
4. Oral Presentation on "*Haber-Bosch synthesis of ammonia that changed the world (Md. Ansar Ali)*" in the 23rd West Bengal State Science and Technology Congress, 2016 held on 28-29 February, 2016, Venue: Presidency University, Kolkata.
5. Poster Presentation on "*Nanoscience and nanotechnology: An overview (Md. Ansar Ali)*" in the UGC-Sponsored National Conference on Recent Trends in Functional Materials in Relation to Nanomaterials and nanotechnology, held on 4-5 February, organized by Department of Chemistry, St. Paul's Cathedral Mission College, Kolkata.
6. Poster Presentation on "*Nanoscience & nanotechnology: The revolution in the history of science and technology (Md. Ansar Ali)*" in the National Seminar On Chemistry For Better Tomorrow Disarmament And Peaceful Uses of Chemistry, held on 15th December, 2015 organized by Department of Chemistry Sidho Kanho Birsha University, Purulia, W.B.
7. Poster Presentation on "*Green Chemistry: An Overview*" (Md. Ansar Ali) in the UGC Sponsored National Level seminar on The Biggest Challenge of Green Chemistry To Use Its Rule in Practice, held on 8-9 October, 2015 organized by A. K. P. C. Mahavidyalaya, Bengai, Hooghly.
8. Oral Presentation on "*Mechanism of arsenic contamination in Bengal Basin ground water (Md. Ansar Ali)*" in the UGC Sponsored National Seminar on Recent Developments on Green Chemistry held on 22th March, 2015 organized by Dept. of Chemistry, Guskara Mahavidyalaya in collaboration with Vivekananda Mahavidyalaya, Burdwan.
9. Poster Presentation on "*Transformation and mobilization of arsenic in ground water of Bengal delta (Md. Ansar Ali)*" in the International Seminar on Groundwater: Issues & Challenges of the 21st Century, 29-30 December, 2014 organized by Sripat Singh College, Jiagan, Murshidabad, W.B. in association with Dept. of Chemistry (Analytical) University of Kayani, W.B.
10. Oral Presentation on "*Free radical ...Ployvinyl alcohol (Md. Ansar Ali)*" in the 42th Annual Convention of Chemists held on 9-13 February, 2006 organized by Indian Chemical Society Venue: Department of Chemistry, Visva-Bharati.

Participation in faculty development programmes

1. Orientation Programme from 13/12/2008 to 09/01/2009 (**Md. Ansar Ali**) organized by UGC-HRDC, The University of Burdwan.
2. Refresher Course in Chemistry from 28/08/2010 to 17/09/2010 (**Md. Ansar Ali**) organized by UGC-HRDC, The University of Burdwan.
3. Refresher Course in “*Nano Science, NanoTechnology & Application*” from 11/06/2014 to 01/07/2014 (**Md. Ansar Ali**) organized by UGC-HRDC, The University of Burdwan.
4. Refresher Course on “*Recent Advances in Chemistry*” from 02/01/2018 to 24/01/2018 (**Md. Ansar Ali**) organized by UGC-HRDC, Jadavpur University, Kolkata.

Participation in committees of Durgapur Government College since 2017

1. Admission Committee (Committee Member, 2018-19)
2. Examination Committee (Jt. Convener-2019-20)