

Dr Kowsar Majid

M.Sc (KU), Ph D (JMI, New Delhi); PDF (IISc Bangalore)

Professor , Department of Chemistry, NIT Srinagar

Former Head Department of Chemistry, NIT Srinagar

Ex Dean Academic Affairs, NIT Srinagar

Email:kowsar@nitsri.net; kowsarmajid@rediffmail.com;

Phone: 7006473015;9469804701;Whatsapp: 9796123801

Current Research

The central theme of research in my group is the application of physical and inorganic techniques to prepare and characterize novel materials like MOFs , copolymerized graphitic carbon nitrides (C_3N_4), polymer based nanocomposite with interesting thermal, optical , electrochemical and photo catalytic properties. The main focus is the application of these materials in photoredox catalysis. The other main area of research is the development of photoadduct based nanocomposites study of their photochemical kinetics and mechanistic studies.

Educational Qualification: PDF (IISc Bangalore), PhD (JMI, New Delhi), MSc (Kashmir University, J&K)

Degree	Institute/BOARD	Division	Year
Ph.D	JMI,, New Delhi	------	1998
M.Sc	University of Kashmir	First	1994
B.Sc	University of Kashmir	First	1991

Post Ph.D Qualification:

Did PDF at Nanotribology Lab, Mechanical Engineering Department of IISc, Bangalore for One year (2008) under the mentorship of Prof S K Biswas.

Area of specialization: **PHYSICAL CHEMISTRY**

Research Areas:

Area of Specialization: Physical chemistry

Research Areas

1. Photochemical kinetics and mechanistic studies.
2. Material Chemistry
3. Tribochemistry
4. Metal-Organic-Frameworks

Publications: (List enclosed) (Near about 100)

Teaching and Research ExperienceExperience:
Teaching : 23 years (Since 1998)
Research Experience: 24 years (Since 1994)
Ph.D Supervised = 10
M.Phils supervised = Seven
Ph.D enrolled = 10
Post DOCs mentored = 03
Work Experience

Organization	Post Held	Period
NIT Srinagar	Professor	17-10-2018….
NIT Srinagar	Associate Professor	01-07-2012 – 17-10-2018
NIT Srinagar	Selection Grade Lecturer redesignated as Assistant Professor	01-07-2009 to 30-06-2012
NIT Srinagar	Sr Scale Lecturer	01-04-2004 to 30-06-2009
NIT Srinagar	Lecturer	1st April 2000 to 31-03-2004
Department of Chemistry, University of Kashmir	RA CSIR, New Delhi	Ist April, 1999-31st March, 2000

Project completed successfully:

Got one major Project Sanctioned By DST, GOI under Nano Mission Vide No: SR/NM/NS-97/2008 Dated 02-06-2010 entitled "Photoadduct based Nanocomposites: synthesis, characterization, electrical, thermal and mechanical properties" with a financial support of Rs 25 lakhs.

Important deliverables out of this project:

Developed Physical Chemistry Research Lab where Material synthesis can be carried. Some characterisation equipments have been put in place for development of state of art in the Department of Chemistry, NIT Srinagar
Two candidates were awarded Ph.D. Degree out of this project.
About eight international papers have been published out of this work.

Summer/Winter or other training courses attended:

1. Four week General Orientation Course at Academic Staff College, University of Kashmir, Srinagar (NAAC Accredited Grade A University from9th June to5th July 2003
2. Three days Training programme on Internet and Bioinformatics at Bioinformatics centre, University of Kashmir, Srinagar (Sponsored by DBT Government of India from02-09-2003 to04-09-2003.
3. Short Term Programme on Non -Conventional Energy Sources Based at NITTTR, Chandigarh from27 Dec. 2004 to31st December, 2004.
4. Research training on Conducting Polymers (Under TEQIP) at CSIO (CSIR LAB) Sector 30 C, Chandigarh from15th December,2005 to 05, March, 2006.

Conferences/Workshops/Seminars etc attended

1. Two days seminar on Role of technical manpower in Laboratory services in the contemporary Science curriculum, Department of Chemistry, University of Kashmir.15-16 Oct, 2003.
2. One day workshop on Technology: Development, Transfer and Utilization RRL Jammu and RRL, Sanat Nagar sponsored by CSIR, New Delhi, 27 March 2006.
3. Two day National seminar on "Recent Trends in Nanotechnology, Department of Electronics and Instrumentation Technology, University of Kashmir, sponsored by DST, GOI, New Delhi,19th -20th June,2006
4. Two days workshop on Nanotechnology: Recent Trends and challenges"Foundation for Innovation and technology Transfer FITT, IIT, New Delhi.17-18th of March, 2007.
5. Two days seminar on "Dynamics of Science Education, Current problems and Future Challenges",Department of Chemistry, University of Kashmir, Srinagar,23rd -24th October, 2007.

6. One day workshop on Microelectronics and VLSI design" organized by the Department of Electronics and Communication,NIT Srinagar,5th November, 2007.
7. 14th National Conference on Surfactants, Emulsions & Bio-colloids,Department of Chemistry, University of Kashmir, Srinagar, 28th -30th July 2009.
8. Nano India 2013, CSIR-NIIST Thiruvananthapuram and Nano Mission, DST New Delhi, 19th -20th February 2013.
9. NME-ICT awareness workshop organized by NIT Srinagar and Sponsored by MHRD, GOI, 18th June 2013.
10. International Conference on Nano Science and Technology (ICONSAT-2012) Sponsored by Nanomission, DST, GOI organized by International Advanced Research Centre for Powder Metallurgy and Nanomaterials (ARCI), Hyderabad,January 20-23, 2012.
11. International Conferences on "Frontiers of Nanoscience, Nanotechnology and their applications" organized by Punjab University, Chandigarh, February 15-18, 2012.

J&K Science Congress, University of Kashmir, 25-27th July, 2006,

Prizes/Awards received:

Fellowship:

1. Got Post Doctoral Fellowship from Nanotribology Lab, Department of Mechanical Engineering, IISc, Bangalore for year 2008.
2. Got Research Associasteship from CSIR, New Delhi under award No. 9/251 (11)/97-EMR-I Dt: 26 March, 1999.
3. Got Senior Research Fellowship from CSIR, New Delhi under award NO. 9/466(32)/97-EMR-I Dt 5 March, 1997.

Conferences/Workshops/Seminars/Short Courses etc. Organized:

1. Three days National Conference on Recent Trends in Material Science Research (RTMSR – 2012)", sponsored by CSIR, DRDO, Semiconductor Society, New Delhi J&K Tourism and J&K Bank from Sept03,- Sept,05 2012 at NIT Srinagar
2. One day workshop on "Chemistry : Our life, Our future" to commemorate International year of Chemistry 2011, 15th November 2011 at NIT Srinagar

3. Workshop on "Nanotechnology: Present and Future Horizons" sponsored by Semiconductor Society, New Delhi, 8th September, 2007 at NIT Srinagar.
4. Series of lectures on Conducting Polymers under TEQIP, 29th July, 2006 at NIT Srinagar.
5. One day Workshop on Utility and development of polymer products under the activity "Rendering services to Community and Economy under TEQIP, 26th November, 2005 at NIT Srinagar..
6. Two days workshop on Science and Society programme sponsored by (Science and Society Division), DST New Delhi, 13th-14th June, 2005 at NIT Srinagar.

Invited Lecture Delivered:

1. " Evaluataion of Photoadducts in Polymer Composites" on 21st October 2018 at Recent Trends in "Engineering, Technology, Applied Sciences, Humanities and Business Management for Sustainable Development" (ETAHBS-2018);Organized by:The Department of "Metallurgical and Materials Engineering", NIT Srinagar, *Jammu and Kashmir* – 190006 and"Krishi Sanskrit" New Delhi,On 20th - 21st October, 2018
2. "Non Implementation of Sensual Harassment of Women at Workplace Act 2013 in J&K- An impediment to Women Empowerment , National seminar on " Girl Education to Empower Women- A leap organized by at Govt BED college M A Road Srinagar , 22nd March 2018
3. " Conducting Polymers: Promising Material for Transcending Moore's Law' 5th J&K women Science Congress, Govt College for women, M A Road Srinagar, 28th March 2018
4. Delivered a lecture on "Polymer Electronics" on 20th May 2014 at Govt. Degree College , Bemina Srinagar (J&K)
5. Delivered an invited lecture on "Role of photo adducts in polymer composites" on International Conference on Frontiers of NanosScience and Technology Sponsored by DST, GOI organized by Department of Chemical Engineering , PU, Chandigarh on 17 February 2012
6. Delivered an invited Lecture on "Chemistry : Origin of Technology" at Department of Chemistry, University of Kashmir in commemoration of IYC 2011 on 15th April, 2011.

7. Delivered an invited Lecture on "Chemistry in the Material World" in one day seminar on "Chemistry in the service of Mankind"at Department of Chemistry, SP College, M.A Road Srinagar in commemoration Of IYC 2011 on 19th November, 2011.
8. Delivered an invited lecture on "Conducting polymer: Next Generation Material" on INSPIRE conducted by NIT Srinagar on 21st May, 2012.
9. Delivered a lecture on "Molecular Electronics: Successor of Silicon Electronics" in one day workshop in commemoration of IYC 2011 on 15th November, 2011 organized by Department of Chemistry NIT Srinagar
10. Delivered a lecture entitled "Women in Research and Development- Ground Realities" in a conference on 8th March 2010 at College of Education, M A Road Srinagar.
11. Delivered a lecture entitled "Role of Women in STEM (Science, Technology, Engineering and Math)" on 15th March 2011 at College of Education, M A Road Srinagar.
12. Delivered a lecture on "Conducting polymers in the world of nanotechnology" in the workshop organized by the Department of Chemistry, NIT, Srinagar on 8th September, 2007.
13. Delivered a lecture on "Microelectronics: Chemists Perspective" in the workshop on "Microelectronics and VLSI Design" on 5th November, 2007.

Administrative Duties Performed at Departmental & Institute Level

At Institute Level:

1. Head, Department of Chemistry (January 2021---December 2022)
2. Dean Academic Affairs (October 2018 till December 2020)
3. Associate Dean Examination from August 2018….
4. Associate Dean Academics from 2016-May 2018
5. Controller of Examination NIT Srinagar since 2010 to 2014
6. Warden Girls Hostel since 2002 (09-04-2002) -2007 and then from 2009 till 2021.
7. Staff Advisor Girls Mess
8. Member Senate NIT Srinagar since 2010 till date
9. Member BOS Department of Chemistry JMI New Delhi
10. Member BOS , School of Science, IUST, Awantipora

11. Member BORS, School of Science, IUST Awantipora.
12. Member WOS A DST New Delhi.
13. Member BORS in the capacity of Controller of Examination since 2010 to 2014.
14. Member Board of Studies Chemical Engineering NIT Srinagar for the year 2006
15. Member Board of studies Department of Chemistry NIT for the year 2002, 2005, 2006.
16. Directors Nominee of Institute Disciplinary committee NIT Srinagar.
17. Member, Central Research Facility Centre, NIT Sgr
18. Acted Deputy In Charge, Admission centre for CCB (CENTRAL COUNSELLING BOARD MHRD, Government of India) for the year 2011, 2012 at NIT Srinagar.
19. Acted Deputy In charge, Admission centre for counselling and admission in CCMT 2012 at NIT Srinagar
20. Acted Deputy Superintendent for the conduct of AIEEE Examination at NIT Srinagar for the year 2011, 2012, 2013, 2014.
21. Observer for AIEEE examination conducted by CCB, New Delhi at Kendrya Vidyala II for the year 2010 and 2015 at Presentation Convent Higher Secondary School, Rajbagh Srinagar.
22. Acted Chief Superintendent for the conduct of UGC NET examination, JK Bank Examination and JKBOPE Examination.
23. Advisory Committee member for Convocation 2012 and 2013.
24. Member, Selection Committee for recruitment of contractual staff for Hostels for the year 2005, 2006, 2007, 2010, 2011, 2012.
25. Member, Printing/Publicity, Medal and certificate Committee for holding Convocation 2012 and 2103.
26. Incharge Staff Advisor mess for 2004, 2005 during winter breaks.
27. Advisory Board Member in designing academic curriculum for the course entitled Professional lab. Course initiated by the P.G Department of Chemistry, University of Kashmir, Hazratbal, Srinagar.
28. TEQIP committee member for community service and development.
29. Assistant Dean Academics for the year 2006-2007
30. Acted as resource person for conducting contact classes for the year 2002, 2003 and 2004 for IGNOU, New Delhi in the discipline Chemistry for the course B.E/ B.Tech.

31. Contributed for the celebration of Institute Annual Day for the year 2002, 2003 and 2005.

Department Level:

1. In charge of Physical Chemistry Research Lab
2. In charge Labs, Department of Chemistry
3. In charge computer Lab
4. Member DRC.
5. Member Department counselling Committee for admission to Research programmes.
6. Paper setter for various courses.
7. Designed a new course on "Molecular Electronics" for 6th and 8th semester students of Department of Electronics and communication Engineering.
8. Designed a course for M.Tech Mechanical Engineering entitled "Tribochemistry" stands approved by BOS of Mechanical Engineering Department and Senate.
9. Designed courses for M.Phil and Ph.D running in the Department.
10. TEQIP coordinator for the Department.

Other services offered to the Institute or society & Community:

Acted as reviewer for following Journals:

1. European Polymer Journal (ELSEVIER Journal)
2. Journal of Materials Science: Materials in Electronics (JMSE)" (Springer Journal)
3. Journal of Nanofluids, ISSN: 2169-432X (print) EISSN: 2169-4338 (Online) American Scientific Publishers.
4. Industrial and Chemical Engineering (American Chemical Society)
5. American Chemical Society
6. Royal Society of Society

Registration:

https://orcid.org/0000-0002-5100-9350

https://scholar.google.com/citations?user=FMsYWjAAAAAJ

https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F6gG9WIWLhFehvPfA5CGR30WaHb8zHqTvGOn50med0GJxgI2BIkgM9niJj_hLwRqCU3p-HZu2ToPgIUSYwar106JDMx2bkVhUnuA6jVvmeqyytQdOk&user=FMsYWjAAAAAJ

Publication List

Number	year	Title/Author/Journal
92	2023	Ultrathin α-Bi2O3 Nanosheets Prepared via Hydrothermal Method for Electrochemical Supercapacitor Applications AS WANI, MA Shah, K Majid,ECS Journal of Solid State Science and Technology,*ECS J. Solid State Sci. Technol.* **12** 011001 **DOI** 10.1149/2162-8777/acaf17
91	2023	Mixed NiCo-phosphate/sulphide heterostructure as an efficient electrocatalyst for hydrogen evolution reaction,M Ali, M Wahid, K Majid,Journal of Applied Electrochemistry 53 (1), 95-108,2023
90	2022	Sn-Doping in a Sb2Se3 Conversion-cum-Alloying Material Renders Efficient Sodium-Ion Electrochemical Performance: Facile Kinetics Achieved by Active Metal Doping,Shahjahan-ul Islam, Kowsar Majid*, and Malik Wahid*,*ACS Appl. Energy Mater.* 2023, 6, 1, 170–180
89	2022	Solubilization of pyrene by mixed polymer-cationic/nonionic surfactant systems: Effect of polymer concentration,R Masrat, K Majid,Colloids and Surfaces A: Physicochemical and Engineering Aspects 653, 129974
88	2022	Structure-Activity Relationships of a Ni-MOF, a Ni-MOF-rGO, and pyrolyzed Ni/C@rGO Structures for Sodium- ion Batteries,Haamid Haroon, Dr. Malik Wahid, Prof. Kowsar Majid, Chemistry Select,Vol 7, Issue 33,2022
87	2022	Metal–Organic Framework-Derived p-Type Cu3P/Hexagonal Boron Nitride Nanostructures for Photocatalytic Oxidative Coupling of Aryl Halides to Biphenyl Derivatives, Haamid Haroon, Malik Wahid, and Kowsar Majid*,*ACS Appl. Nano Mater.* 2022, 5, 2, 2006–2017
86	2022	Multiscale Janus Surface Structure of *Trifolium* Leaf with Atmospheric Water Harvesting and Dual Wettability Features,Ghulam Mohd,Kowsar Majid*, and Saifullah Lone*,*ACS Appl. Mater. Interfaces* 2022, 14, 3, 4690–4698
85	2022	Enhanced alkaline bifunctional electrocatalytic water splitting achieved through N and S dual-doped carbon shell reinforced Co9S8 microplates† Mudasir Dar,*a* Kowsar Majid ‡*a* and Malik Wahid ‡*a* , New Journal of Chemistry, Issue 46,2022
84	2021	In-plane ordering and nature of N-doping in hard carbon synthesized at low temperature govern the sodium-ion intercalation, Mudasir Dar, Kowsar Majid, Malik Wahid, Journal of

		electroanalytical Chemistry, 2021,899, 115669
83	2021	Improved thermal stability metal oxide/GO-based hybrid materials for enhanced Anti-inflammatory and Antioxidant activity,Jahangir Ahmad & Kowsar Majid ,*Polymer Bulletin* volume 78, pages3889–3911 (2021)
82	2021	Current–voltage characteristics and thermal studies of polypyrrole-octacyanotungstate composite,Syed Kazim Moosvi,Waseem Gulzar Naqash,Mohd. Hanief Najar,Ferooze Ahmad Rafiqi &Kowsar Majid Pages 221-226 | Material research Innovations, Volume 25, 2021-Issue4
81	2021	Synthesis, characterization and optical absorption studies of Na[Fe(CN)4(C3H4N2)NO]2H2O crystals,Mohd Hanief Najar, Waseem Gulzar Nakash, Syed Kazim Moosvi, Ajmal R Bhat &Kowsar Majid ,*Bulletin of Materials Science* volume 44, Article number: 86 (2021)
80	2021	Nano-Structured Materials for Efficient Energy Storage and Conversion, Jahangir Ahmad and Kowsar Majid , Applications of Nanomaterials in Agriculture, Food Science, and Medicine,Copyright: © 2021 |Pages: 23,DOI: 10.4018/978-1-7998-5563-7.ch010
79	2020	In situ construction of hybrid MnO 2@ GO heterostructures for enhanced visible light photocatalytic, anti-inflammatory and anti-oxidant activity. J Ahmad, M Wahid, K Majid, New Journal of Chemistry 44 (26), 11092-11104, 2020,
78	2020	Photosubstituted metal complexes–An entirely new kind of filler for enhanced dielectric properties of polyanilinenanocomposites. WG Naqash, SK Moosvi, MH Najar, K Majid, Materials Today: Proceedings 33, 654-657, 2020.
77	2020	Enhanced d–d transitions in HKUST/Bi 2 WO 6 nanocomposite mediated visible-light driven selective conversion of benzyl alcohol to benzaldehyde. H Haroon, K Majid, New Journal of Chemistry 44 (42), 18380-18388, 2020.
76	2020	MnO2 nanosheets supported metal–organic framework MIL-125 (Ti) towards efficient visible light photocatalysis: Kinetic and mechanistic study.H Haroon, K Majid ,Chemical Physics Letters 745, 137283,2020.
75	2020	High Na+ Mobility in rGO Wrapped High Aspect Ratio 1D SbSe Nano Structure Renders Better Electrochemical Na+ Battery Performance.H Haroon, A Kumar, GA Bhat, K Majid, D Putthusseri, M Wahid ChemPhysChem, 2020,

74	2020	Current–voltage characteristics and thermal studies of polypyrrole-octacyanotungstate composite.SK Moosvi, WG Naqash, MH Najar, FA Rafiqi, K Majid, Materials Research Innovations, 1-6,2020, , 2020
73	2020	Interfacial Optimization of Bi NPs Decorated Bi2WO6/MIL-53(Fe) Heterojunction with Enhanced Visible Light Photocatalytic Response. FA Sofi, J Ahmad, K Majid,ChemistrySelect 5 (22), 6630-6638, 2020, , 2020
72	2020	Improved thermal stability metal oxide/GO-based hybrid materials for enhanced Anti-inflammatory and Antioxidant activity.J Ahmad, K Majid,Polymer Bulletin, 1-23, 2020, , 2020
71	2020	Dielectric and impedance spectroscopic analysis in SNP-d embedded PThnanorods for energy storage applications. MH Najar, K Majid, MA Dar, Synthetic Metals 268, 116485,2020,
70	2020	Solvothermal synthesis of Ag2WO4/Sb2WO6 heterostructures for enhanced charge transfer properties and efficient visible-light-driven photocatalytic activity and stability. U Rafiq, O Mehraj, S Lone, M Wahid, K Majid,Journal of Environmental Chemical Engineering 8 (5), 104301,2020,
69	2020	Optimized h-BN/Sb2WO6 Interface Mediates an Efficient Charge Separation towards Enhanced Photocatalysis.U Rafiq, M Wahid, K Majid,Chemistry Select 5 (37), 11637-11647,2020,
68	2020	Aligned NiP2/CoP2 nanoneedle arrays obtained over carbon fiber paper by selective temperature control for efficient HER electrocatalysis.M Patel, M Ali, J Ahmad, M Dar, K Majid, S Lone, D Puthusseri, M Wahid, Materials Letters 278, 128456,2020,
67	2020	Mitigating the charge recombination by the targeted synthesis of Ag2WO4/Bi2Fe4O9 composite: The facile union of orthorhombic semiconductors towards efficient photocatalysis. U Rafiq, K Majid, Journal of Alloys and Compounds 842, 155876,2020,
66	2020	Nano-Structured Materials for Efficient Energy Storage and Conversion J Ahmad, K Majid,Applications of Nanomaterials in Agriculture, Food Science, and Medicine,2021,
65	2019	Cu 2+-BTC based metal–organic framework: a redox accessible and redox stable MOF for selective and sensitive electrochemical sensing of acetaminophen and dopamine.FA Sofi, MA Bhat, K Majid,New Journal of Chemistry 43 (7), 3119-3127, 2019,
64	2019	Study of structural, dielectric and magnetic properties of Li0.5+0.5xFe2.5–1.5xPbxO4 ferrite nano-crystals synthesized by citrate gel method ,MA Dar, K Majid, SK Moosvi, Materials Research Innovations 23 (2), 100-106,2019
63	2019	In situ growth of orthorhombic Sb 2 WO 6 hierarchical structures on reduced graphene oxide (RGO) sheets via solvothermal approach for superior and substantially improved …U Rafiq, K Majid,Journal of Materials Science: Materials in Electronics 30 (6), 5965-5977, 2019

62	2019	Plasmon induced interfacial charge transfer across Zr-based metal-organic framework coupled Ag2WO4 heterojunction functionalized by Ag NPs: Efficient visible light photocatalyst. FA Sofi, K Majid, ChemicalPhysics Letters 720, 7-14, 2019, , 2019
61	2018	"Synthesis of novel silver chromate incorporated copper-metal-organic framework composites with exceptionally high photocatalytic activity and stability.O Mehraj, FA Sofi, SK Moosvi, W Naqash, K Majid Journal of Electromagnetic attributes a dominant factor for the enhanced EMI shielding of PANI/Li0. 5Fe2. 5- xGdxO4 core shell structured nanomaterial. MA Dar, K Majid, M Farukh, SK Dhawan, RK Kotnala, J Shah,Arabian Journal of Chemistry 12 (8), 5111-5119, 2019., , 2019
60	2018	The visible light driven copper based metal-organic-framework heterojunction: HKUST-1@ Ag-Ag3PO4 for plasmon enhanced visible light photocatalysis.FASofi, K Majid, O Mehraj,Journal of Alloys and Compounds737, 798-808, 2018, , 2018
59	2018	In-situ synthesis of visible-light responsive Ag 2 O/graphene oxide nanocomposites and effect of graphene oxide content on its photocatalytic activity.J Ahmad, K Majid,Advanced Composites and Hybrid Materials 1 (2), 374-388, 2018, , 2018
58	2018	Fabrication of highly photocatalytic active anatase TiO2-graphene oxide heterostructures via solid phase ball milling for environmental remediation. J Ahmad, FA Sofi, O Mehraj, K Majid, Surfaces and Interfaces 13, 186-195, 2018., , 2018
57	2018	Fabrication of highly photocatalytic active anatase TiO2-graphene oxide heterostructures via solid phase ball milling for environmental remediation. J Ahmad, FA Sofi, O Mehraj, K Majid, Surfaces and Interfaces 13, 186-195, 2018.,
56	2018	Enhancement of the photocatalytic performance and thermal stability of an iron based metal-organic-framework functionalised by Ag/Ag_3PO_4, Feroz Ahmad Sofi and Kowsar Majid, Mater. Chem. Front. DOI: 10.1039/c8qm00051d
55	2018	Controlled synthesis of p-type NiO/n-type GO nanocomposite with enhanced photocatalytic activity and study of temperature effect on the photocatalytic activity of nanocomposite, Jahangir Ahmad, Kowsar Majid, Applied Surface Science 457,2018 417-426
54	2018	"Enhanced visible light driven photocatalytic activity of CdO-Graphene oxide heterostructures for the degredation of organic pollutants." Jehangir Ahmad Dar and Kowsar Majid accepted New Journal of Chemistry. RSC publishers, 42(2018)3246-3259
53	2017	Surfactant-assisted synthesis of polythiophene/Ni 0.5 Zn 0.5 Fe 2- x Ce x O 4 ferrite composites: study of structural, dielectric and

		magnetic properties for EMI-shielding applications, M. A.Dar, K. Majid, M. H. Najar, R. K. Kotnala, J. Shah, S. K. Dhawan, M. Farukh, Physical Chemistry Chemical Physics, 19 (2017) 10629-10643.
52	2017	Electric modulus based relaxation dynamics, ac-conductivity and I–V characteristics in PTh/[Co(EDTA)NH3Cl] H2O nanocomposite prepared by chemical oxidation method, M. H. Najar, K. Majid, M. A. Dar, Journal of Materials Science: Materials in Electronics, 28 (2017) 11243–11252.
51	2017	Electronic excitation-induced structural, optical, and magnetic properties of Ni-doped HoFeO3 thin films, Z. Habib, M. Ikram, K. Sultan, Abida, S. A. Mir, K. Majid, K. Asokan, Appl. Phys. A 123 (2017) 1-10.
50	2017	Photocatalytic Degradation of Rhodamine B dye using PPY/Ferricyanide Photoadduct Nanocomposite, S. K. Moosvi, M. A. Dar, O. Mehraj, K. Majid, International Journal of advance Research in Science and Engineering 6 (2017) 576-582.
49	2017	Synthesis of novel silver chromate incorporated copper-metal-organic framework composites with exceptionally high photocatalytic activity and stability Owais Mehraj, Feroz Ahmad Sofi, Syed Kazim Moosvi, Waseem Naqash, Kowsar Majid, Journal of Materials Science: Materials in Electronics https://doi.org/10.1007/s10854-017-8271-x
48	2017	The visible light driven copper based metal-organic-framework heterojunction:HKUST-1@Ag-Ag3PO4 for plasmon enhanced visible light photocatalysis, JALCOM44227;Feroze Ahmad Sofi and Kowsar Majid, Journal Journal of Alloys and Compounds, Elsevier, Impact Factor 3.133,DOI 10.1016/j.jallcom.2017.12.141
47	2016	Influence of Ni substitution at B-site for Fe3+ ions on morphological, optical, and magnetic properties of HoFeO3 ceramics, Z. Habib, K. Majid, M. Ikram, K. Sultan, S. A. Mir, K. Asokan, Applied Physics A 122 (2016) 550-557.
46	2016	Synthesis and characterization of PPY/K[Fe(CN)3(OH)(en)] nanocomposite: Study of photocatalytic, sorption, electrical, and thermal properties, S. K. Moosvi, K. Majid, T. Ara, J. of Applied Polymer Science (2016) 43487-43498.
45	2016	Synthesis, characterization, photophysical, thermal and electrical properties of composite of polyaniline with zinc bis(8-hydroxyquinolate): a potent composite for electronic and optoelectronic use, F. A. Rafiqi, K. Majid, RSC Advances 6 (2016) 22016-22025.
44	2016	Investigation of the Transport Properties of PPy/[Co(EDTA)NH3Cl] H2O Nanocomposite Prepared by Chemical Oxidation Method, M. H. Najar, K. Majid, RSC Advances 6 (2016) 25449-25459.
43	2016	Synthesis, characterization, luminescence and magnetic properties of composite of polyaniline with nickel bisacetylacetonate complex, F. A. Rafiqi, K. Majid, Polymer Science, Series B (2016) 1-13.
42	2016	Synthesis and characterization of Li0.5Fe2.5-xGdxO4 ferrite nano-particles as a potential candidate for microwave device applications,

		M. A. Dar, K. Majid, M. H. Najar, R. K. Kotnala, J. Shah, Materials and Design 90 (2016) 443-452.
41	2016	Synthesis and characterization of PTP/[Fe(CN)3(dien)].H2O nanocomposite; study of electrical, thermal and photocatalytic properties, S. K. Moosvi, K. Majid, T. Ara, Chemical Physics (2016). http://dx.doi.org/10.10/j. chemphys.2016.04.012.
40	2016	Synthesis, characterisation and study of thermal, electrical and photocatalytic activity of nanocomposite of PANI with [Co(NH3)4 (C12H8N2)] Cl3·5H2O photoadduct, W. Naqash, K. Majid, Chemical Physics (2016) DOI:http://dx.doi.org/10.1016/j.chemphys.2016.04.008.
39	2016	Synthesis and characterization of PTP/K[Fe(CN)3(OH)(en)] nanocomposite: study of thermal, electrical and photocatalytic properties, S. K. Moosvi, K. Majid, T. Ara, J. of Material Science Material in Electronics (2016) 27:6891-6901.
38	2016	Structural, optical, electrical, and thermal properties of PANI/ [Co(NH3)2(C2H8N2)2]Cl3 nanocomposite W. Naqash, K. Majid, Chemical Physics (2016).
37	2016	Synthesis, Characterization and Study of Effect of Irradiation on Electronic Properties of Polyaniline Composite with Metal Complex of Co (III), W. Naqash, K. Majid, Materials Research (2016)DOI:http://dx.doi.org/10.1590/1516-1439.035715.
36	2016	Studying the electrical, thermal, and photocatalytic activity of nanocomposite of polypyrrole with the photoadduct of K3[Fe(CN)6] and diethylenetriamine, S. K. Moosvi, K. Majid, T. Ara, Materials Research (2016) DOI: http://dx.doi.org/10.1590/1980-5373-MR-2015-0786.
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Personal Details :

Son	Muhammad Hassan
Father's Name	Late Ab. Majid Shah
Mother's Name	Mrs. Hajra
Date of Birth	03 November 1969
Phone	(+91)9469804701; 7006473015; 9796123801(Whatsapp)
Sex	Female
Place of Birth	Srinagar

I solemnly affirm that the details given in this document are correct.

Kowsar Majid

Ph D Guided:

S No	Candidates supervised	Candidates Under supervision
1.	Dr M Sideeq Rather	Mudasir Ahmad
2.	Dr M Hanief Najar	Mubashir Ahmad
3.	Dr Feroze Ahmad Rafiqui	Muzaffer Ahamad
4.	Dr Zubiada Habib	Gh Mohd
5.	Dr S Kazim Moosvi	Shaejehan
6.	Dr Waseem Naqash	Amir
7.	Dr Feroze Sofi	Zubaira
8.	Dr Jahangir Ahmad Dar	Misbah
9.	Dr Umer Rafiq	Sana
10.	Dr Haamid Haroon	Falak
11.	……..	Sheema

M Phils Supervised:

1. Feroze Ahmad Rafiqui
2. Mohd Rafiq Dar
3. Asima Shah
4. Ruheena Tabassum
5. Rafia
6. Mukhtar Ahmad Malik
7. Rehana Rasool

PG Projects Guided/Under Supervision:

1. Pervaiz Ahmad
2. Mr Akshay
3. Satish
4. Sajjad
5. Muskan
6. Julma