

CURRICULM VITAE

Dr. Waseem Gulzar Naqash

Ph.D. (NIT Srinagar), M.Sc. (KU), NET qualified (CSIR-UGC)

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Objective

- To teach and pursue research in a reputed institute where I can enhance my result oriented skills and capabilities.

Achievements/Awards

- Completed Ph.D. from National Institute of Technology Srinagar in March 2018.
- Qualified CSIR-UGC national level test for the eligibility of Assistant Professor & Junior Research Fellow (NET) (June 2008)

Academic Record

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|----------------------------|----------------------|--------|--------|----------|
| Ph.D. (Material Chemistry) | - | - | (2018) | NIT Sgr. |
| M.Sc. (Physical Chemistry) | 1 st Div. | 61.16% | (2008) | K. U. |
| B.Sc. (Medical) | 1 st Div. | 62.33% | (2006) | K. U. |
| HSE-II (Medical) | 1 st Div. | 68.50% | (2002) | JKBOSE |
| SSE (General) | 1 st Div. | 72.20% | (2000) | JKBOSE |

Areas of Interest

- Area of Specialisation: Physical Chemistry
- Research Areas: Material Chemistry, Nanotechnology, Nanocomposites

Teaching Experience at UG & PG Level as Contractual Lecturer / Asstt. Prof. (contractual)

| Organisation | From | To | Total Duration |
|---------------------|------------|-------------------------|--------------------------|
| K.U. Zakura campus | 25-03-2021 | 31-12-2021 | 09 months 06 days |
| S. P. College, Sgr. | 09-07-2020 | 28-12-2020 | 05 months 20 days |
| GDC Ganderbal | 13-04-2020 | 09-07-2020 | 2 months 24 days |
| Kashmir University | 01-08-2019 | 22-12-2019 | 04 months 22 days |
| Cluster University | 09-04-2018 | 31-07-2019 | 15 months 22 days |
| S. P. College, Sgr. | 19-03-2012 | 28-02-2013 | 11 months 13 days |
| GDC Bemina, Sgr. | 29-04-2011 | 29-02-2012 | 10 months 02 days |
| GDC Bemina, Sgr. | 15-03-2010 | 28-02-2011 | 11 months 17 days |
| | | Total Experience | 5 Years 11 Months |

Experimental Skills

- A good Knowledge of handling UV-Vis Spectrophotometer, FTIR Spectrometer, High energy Ball Mill, Thermal Gravimetric Analyser, LCR Meter, Conductometric techniques, potentiometric techniques, etc.

Computer Skills

- Expert in computer MS-office, Origin, PowderX software, ImageJ software, Basic Programming, FORTRAN, GUASSIAN and MOPAC software.

Present Activity

- Assistant professor on contractual basis in IOT Zakura campus (Kashmir University)

National / International publications

- 1) Synthesis, Characterization and Study of Effect of Irradiation on Electronic Properties of Polyaniline Composite with Metal Complex of Co (III). **Waseem Naqash**, Kowsar Majid. *Materials Research – Ibero-American Journal of Materials*, 18(5), 1121-1127, (2015), International, Refereed & Indexed journal, ISSN: 1516-1439, SciELO - Scientific Electronic Library Online. IF=1.103

- 2) Synthesis, characterisation and study of thermal, electrical and photocatalytic activity of nanocomposite of PANI with $[\text{Co}(\text{NH}_3)_4(\text{C}_{12}\text{H}_8\text{N}_2)]\text{Cl}_3 \cdot 5\text{H}_2\text{O}$ photoadduct. **Waseem Naqash**, Kowsar Majid. *Chemical Physics*, **478**, 118-125, (2016), International, Refereed & Indexed journal, ISSN: 0301-0104, **Elsevier**. **IF=1.822**
- 3) Study of structural, optical, electrical and thermal properties exhibited by PANI/ $[\text{Co}(\text{NH}_3)_2(\text{C}_2\text{H}_8\text{N}_2)_2]\text{Cl}_3$ nanocomposite. **Waseem Naqash**, Kowsar Majid, *Chemical Papers*, **71(2)**, 525-533, (2017), International, Refereed & Indexed journal, ISSN: 2585-7290 (Print) 1336-9075 (Online), **Springer**. **IF =0.963**
- 4) Fabrication of a novel PANI/ $[\text{Co}(\text{NH}_3)_4(\text{C}_3\text{H}_4\text{N}_2)_2]\text{Cl}_3$ nanocomposite with enhanced dielectric constant and ac-conductivity: a potential candidate for energy storage and high frequency device applications. **Waseem Naqash**, Kowsar Majid, *Journal of Materials Science: Materials in Electronics*, **28(19)**, 14217-14225, (2017), International, Refereed & Indexed journal, ISSN: 0957-4522 (Print) 1573-482X (Online), **Springer**. **IF=2.324**
- 5) Synthesis and characterisation of a high dielectric constant and ac-conducting PANI/ $[\text{Co}(\text{NH}_3)_3(\text{C}_4\text{H}_4\text{N}_2)_3]\text{Cl}_3$ nanocomposite as a potential material for EMI shielding applications. **Waseem Naqash**, Kowsar Majid, *Journal of Materials Science: Materials in Electronics*, **28(24)**, 18322-18330, (2017), International, Refereed & Indexed journal, ISSN: 0957-4522 (Print) 1573-482X (Online), **Springer**. **IF=2.324**
- 6) 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*, **29(4)**, 3358-3369, (2017), International, Refereed & Indexed journal, ISSN: 0957-4522 (Print) 1573-482X (Online), **Springer**. **IF=2.324**
- 7) Current-voltage characteristics and thermal studies of polypyrole-octacyanotungstate composite. S. K. Moosvi, **W. G. Naqash**, M. H. Najar, F. A. Rafiqi, K. Majid, *Materials Research Innovations*, **25(4)**, 221-226, (2021), International, Refereed & Indexed journal, ISSN: 1432-8917, **Taylor & Francis**, **IF=1.140**
- 8) Photosubstituted metal complexes - An entirely new kind of filler for enhanced dielectric properties of polyaniline nanocomposites. **W. G. Naqash**, S. K. Moosvi M. H. Najar, K. Majid, *Materials Today: Proceedings*, **33**, 654-657, (2020) International, Refereed & Indexed journal, ISSN: 22147853, **Elsevier**, **IF=1.09**
- 9) Synthesis, characterization and optical absorption studies of $\text{Na}[\text{Fe}(\text{CN})_4(\text{C}_3\text{H}_4\text{N}_2)\text{NO}]\cdot 2\text{H}_2\text{O}$ crystals. Mohd Hanief Najar, **Waseem Gulzar Naqash**, Syed Kazim Moosvi, Ajmal R Bhat and Kowsar Majid, *Bulletin of Material Science*, **44(2)**, 1-4, (2021), International, Refereed & Indexed journal, ISSN: 0250-4707, **Springer**, **IF=1.783**

Published Books and Book Chapters

- 1) Polymers and their characterization techniques (**Book**). **Waseem Gulzar Naqash**, Syed Kazim Moosvi, *Lambert Academic Publishing*, International Peer Reviewed, ISBN: 978-620-2-51436-1.
- 2) Green Chemistry: Principles and Designing of Green Synthesis (**BOOK**). S K Moosvi, **Waseem Gulzar Naqash**, M H Najjar, *WALTER DE GRUYTER*, International Peer Reviewed, ISBN: 978-3-11-075188-8.
- 3) Doping mechanism and charge transfer in polyaniline (**Book Chapter**), Research trends in chemical sciences (**Book**). S. K. Moosvi, F. A. Rafiqi, **Waseem Naqash**, *AkiNik Publications*, International Peer Reviewed, ISBN: 978-93-5335-326-1.

National / International Conferences Attended

- 1) **Waseem Naqash, Kowsar Majid**, Synthesis, characterisation and study of dielectric behaviour of PANI/[Co(NH₃)₃C₄H₄N₂]₃Cl₃ composite, **4th International Conference on “Innovative Trends in Science, Engineering and Management”**, held on 17th June, 2017 at (C-DAC, Mumbai) Centre for Development of Advanced Computing, Juhu, Mumbai, Maharashtra (India).
- 2) **Waseem Naqash, Kowsar Majid**, Study of thermal, electrical & optical properties of polyaniline composite with photosubstituted [Co(NH₃)₄(C₃H₄N₂)₂]Cl₃ metal complex, **“International Conference on Innovative Research in “Mechanical, Material, Industrial, Automotive, Aeronautical and Nano-Technology” (MIANT-2017)**, Organised by “Krishi Sanskriti” on 11th June, 2017 at Jawaharlal Nehru University, New Delhi.
- 3) **Waseem Naqash, Kowsar Majid**, **“International Conference on Nanotechnology for Better Living”**, jointly organised by NIT Srinagar & IIT Kanpur, 25-19 May 2016 at NIT Srinagar-J&K.
- 4) **Waseem Naqash, Kowsar Majid**, **“International Conference on NANOTECHNOLOGY and STEM-ER”**, March 12-15, 2016, Centre of Excellence in Materials Science (Nanomaterials), Department of Applied Physics, Z. H. College of Engineering and Technology, Aligarh Muslim University, Aligarh, U.P, India.
- 5) **Waseem Naqash, Kowsar Majid**, “Synthesis, characterisation and study of thermal properties of polyaniline composite with transition metal complex of Cobalt(III)”, **5th International Conference on “Recent Trends on Applied Physical, Chemical Sciences, Mathematical/Statistical and Environmental Dynamics” (PCME-2015)**, Organised by “Krishi Sanskriti” on 2nd and 3rd May, 2015, Jawaharlal Nehru University, New Delhi.

- 6) *Waseem Naqash, Kowsar Majid*, “ Synthesis and characterisation of polyaniline nanocomposite with the photoadduct of hexaminecobalt(III) chloride metal complex and phenanthroline ligand”, *National Conference on “Advances in Materials & Materials Processing” (AMMP-15)*, 22-23 May, 2015, organised by Department of Metallurgical & Materials Engineering, held at National Institute of Technology Srinagar.

- 7) “*National Conference on Nanomaterials and Devices (NCONAD-2013)*”, October, 3-5-2013, Organised by National Institute of Technology Srinagar.

Workshops Attended

- 1) National Workshop on X-RAY Techniques for Characterisation of Materials, February 11-13, 2015, Organised by Sophisticated Analytical Instrumentation Facility (SAIF) & Central Instrumentation Laboratory (CIL), Panjab University, Chandigarh.

- 2) 5 days’ workshop on “Synthesis and Characterisation of Nano Materials (SCNM-2016)”, Organised by Centre for Nano science and Technology, Institute of Science and Technology, Jawaharlal Nehru Technological (JNT) University, Hyderabad.

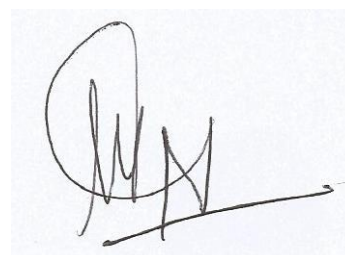
- 3) Two day’s Science Academies Lecture Workshop – 2017 on “Modern Trends in Chemistry & Chemistry Education”, July 19-20, 2017, held at Ibn-e-Khaldoon Auditorium, University of Kashmir, Srinagar.

Personal Details

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| Date of Birth: | February, 01, 1984 |
| Fathers name: | Mr Ghulam Mohammad Naqash |
| Marital Status: | Married |
| Strengths: | Punctual, Adaptive, Result oriented |
| Languages Known: | English, Urdu, Hindi and Kashmiri |
| Hobbies: | Reading, Travelling, Sports, etc. |
| Religion: | Islam |

Date: 23 - 04 - 2024

Place: Srinagar



(Waseem Naqash)