

CURRICULUM VITAE



Dr. BASHIR AHMAD MALIK

S/o: Rafiq Ahmad Malik

**R/o: Chersoo Awantipora Pulwama-192122,
Jammu and Kashmir, India**

E-mail: aijumalik@gmail.com Mobile: (+91) 7006713196

Date of Birth: 27-02-1987

Area of specialization: Chemistry.

CAREER OBJECTIVE:

To secure a challenging position where I can effectively utilize my skills and abilities as a teacher and as a researcher. To pursue a challenging career that provides an environment for growth and learning.

ACADEMIC QUALIFICATION:

INSTITUTION AND LOCATION	DEGREE	COMPLETION DATE	FIELD STUDY
KASHMIR UNIVERSITY J&K INDIA	BSc	09/2008	CHEMISTRY
B.U. BHOPAL INDIA	MSc	07/2010	CHEMISTRY
JABALPUR UNIVERSITY INDIA	PhD	08/2015	CHEMISTRY

Teaching Experiences

- Worked as Lecturer at Government Degree College Anantnag, J&K India from 26 July to 26 Dec 2022

- Worked as Assistant Professor at Deptt. of Chemistry, Islamic University of Science and Technology, Awantipora (192122)-India from 05 May 2017 to 31 Dec 2020.
- Worked as a Lecturer at Deptt. of Chemistry, Govt. Women College, Anantnag-India from 27 April 2016 to 28 Feb 2018.

Publications				
Title & Authors	Name of Journal and Place of Publication	ISSN	Vol / Page No. /Year	I.F
Glucosamine and Maltol anchored ZincII complex of Covid-19 health supplement relevance B. A. Malik, J. M. Mir	Journal of indian Chemical Society	0019 - 4522	99(2022)100 743	0.24
Oxovanadium(IV) Complexes of Bioinorganic and Medicinal relevance: Synthesis, characterization and 3D molecular modeling of some oxovanadium (IV) complexes involving O,N-donor environment of Salicylaldehyde-based sulfa drug Schiff bases. R. C. Maurya* J. Chourasia, D. Rajak, B. A. Malik, J. M. Mir, N. Jain, S. Batalia.	Arabian Journal of Chemistry, R.D.University, Jabalpur	1878 - 5352	9/S1084– S1100/2016	2.96
Mixed-ligand Cobalt(II) Complexes of Bioinorganic and Medicinal Relevance, Involving Dehydroacetic Acid and β -Diketones: Their Synthesis, Hyphenated Experimental-DFT, Thermal and Bactericidal Facets. R. C. Maurya* B. A. Malik, J. M. Mir, P.K. Vishwakarma, D.K. Rajak, N. Jain	Journal of Molecular Structure, R.D.University, Jabalpur	0022 - 2860	1099/266- 285/2015	2.01
Characterization, Thermal Behaviour and DFT Aspects of Some Oxovanadium(IV) Complexes Involving ONO-Donor Sugar Schiff Bases. R. C. Maurya* B. A. Malik, J. M. Mir, A.	Journal of Coordination Chemistry, R.D.University	0095 - 8972	67/3084- 3106/2014	1.66

K. Sharma.				
Oxidovanadium(IV) Complexes involving Dehydroacetic Acid and β -Diketones of Bioinorganic and Medicinal Relevance: Their Synthesis, Characterization, Thermal Behaviour and DFT Aspects. R. C. Maurya* B. A. Malik, J. M. Mir, P. Vishwakarma	Journal of Molecular Structure, R.D.University	0022 - 2860	1083/343-356/2015	2.01
Nickel(II) Complexes of ONS Donor Schiff Base Ligands: Synthesis, Combined DFT-Experimental Characterization, Redox, Thermal and <i>in vitro</i> Biological Investigation. R. C. Maurya* B. A. Malik, J. M. Mir, P. Vishwakarma, D.K.Rajak, N.Jain.	Journal of Coordination Chemistry, R.D.University	0095 - 8972	68/ 2902-2922/ 2015	1.66
Two Novel Sugar Schiff base Oxovanadium(IV) Complexes: Their Synthesis, Characterization by Combined DFT-Experimental Approach and Thermal Studies. R. C. Maurya* A. K. Sharma, J.M.Mir, B. A. Malik, D.K.Rajak.	Journal of Ravishankar University-B, R.D.University	0970 - 5910	28/11-29/2015	0.5
Urinary tract infection fighting potential of Newly synthesized ruthenium carbonyl complex of N-dehydroacetic acid-N0-o-vanillinethylenediamine. J.M. Mir, N. Jain, B.A. Malik, R. Chourasia, P.K. Vishwakarma, D.K. Rajak, R.C. Maurya.	Inorganica Chimica Acta, R.D.University	0020 - 1693	467/80-92/2017	2.26

<p>A novel Schiff base complex of brain fuel (sugar) coordinated with intelligence mineral (Zn): Synthesis, conjoint DFT-experimental evaluation and super oxide dismutation</p> <p>Jan Mohammad Mir, R.C. Maurya*, D.K. Rajak, Bashir A. Malik, P.S. Jaget, N. Jain</p>	<p><u>Karbala International Journal of Modern Science</u> R.D.University, Jabalpur</p>	<p>2405 - 609 X</p>	<p>3/153-164/2017</p>	<p>N.A</p>
<p>Synthesis and Conjoint Experimental - DFT Characterization of some Pyrazolone Functionalized Dioxovanadium (V) Schiff Base Complexes</p> <p>Mohammad Mir J, Maurya RC*, Vishwakarma PK, Rajak DK, Malik BA, Jaget PS and Bohre</p>	<p>Journal of Theoretical & Computational Science, R.D.University, Jabalpur</p>	<p>2376 - 130 X</p>	<p>http://dx.doi.org/10.4172/2376-130X.1000147</p>	<p>0.5</p>
<p>Urinary tract anti-infectious potential of DFT-experimental composite analyzed ruthenium nitrosyl complex of N-dehydroacetic acid-thiosemicarbazide.</p> <p>Jan Mohammad Mir, N. Jain, P.S. Jaget, W. Khan, P.K. Vishwakarma, D.K. Rajak, B.A. Malik, Ram C. Maurya</p>	<p>Journal of King Saud University- Science, R.D.University, Jabalpur</p>	<p>1018 - 3647</p>	<p>31/89-100/2019</p>	<p>3.7</p>
<p>Cobalt(II) Bactericidal and Heat Resistant Complexes of ONS Donor Schiff Base Ligands: Synthesis and Combined DFT-Experimental Characterization.</p> <p>B. A. Malik, R.C. Maurya, J.M.Mir, Farhan Ferooz Shah</p>	<p>INTERNATIONAL JOURNAL OF CURRENT RESEARCH IN CHEMISTRY AND PHARMACEUTICAL SCIENCES, R.D.University, Jabalpur.</p>	<p>2348 - 5221</p>	<p>3/50-72/2016</p>	<p>6.9</p>
<p>Synthesis, characterization and DFT aspects of some oxovanadium(IV) and manganese(II) complexes involving dehydroacetic acid and β-diketones.</p>	<p>Journal of Coordination Chemistry. IUST Awantipora</p>	<p>0095 - 8972</p>	<p>71/104-119/2018</p>	<p>1.6</p>

Bashir Ahmad Malik & Jan Mohammad Mir				
Molybdenum dinitrosyl Schiff base complexes of dehydroacetic acid and thiourea derivatives: DFT-experimental characterization and nosocomial anti-infectious implications. Jan Mohammad Mir, Bashir Ahmad Malik, Mohd Washid Khan & Ram Charitra Maurya	Journal of the Chinese Chemical society	2192 - 6549	DOI: 10.1002/jccs. 201800337	0.86
An old oxovanadium(IV) complex of N-(salicylidene)sulfanilamide: theoretical validity of experimental observations Jan Mohammad Mir, Pradeep Kumar Vishwakarma, Bashir Ahmad Malik & Ram Charitra Maurya.	Inorganic and Nano-metal Chemistry	2470 - 1556	https://doi.org/10.1080/24701556.2019.1569682	0.63
Nitric oxide-releasing molecules at the interface of inorganic chemistry and biology: a concise overview Jan Mohammad Mir*, Bashir Ahmad Malik and Ram Charitra Maurya	Reviews in Inorganic Chemistry	2191 - 0227	https://doi.org/10.1515/revic-2018-0017	2.42
Molecular Structure, Vibrational Spectra, HOMO-LUMO and Non-linear Properties of Salicylaldehyde and N-Salicylidene)sulphanilamide Based on Density Functional Theory Calculations. D. K. Rajak B. A. Malik, J. M. Mir, R. C. Maurya, P. K. Vishwakarma	Vishlesana Research Journals	2393 - 9931	11/136-148/2014	NA

BOOKS PUBLISHED:

1. Novel Coordination Compounds of Bioinorganic and Medicinal Relevance

Author: Bashir Ahmad Malik

Pages: 116

Publisher: LAP LAMBERT Academic Publishing, Germany

ISBN: 978-3-659-76285-7 (ISBN)

2. Introduction to Sugar based Coordination Compounds

Author: Bashir Ahmad Malik

Pages: 69

Publisher: LAP LAMBERT Academic Publishing, Germany

ISBN: **978-3-659-91316-7** (ISBN)

3. Studies of Some Novel Coordination Compounds and their Application in Nanoparticle Synthesis

Author: Nidhi Rai, Bashir Ahmad Malik

Pages: 134

Publisher: GRIN Publishing, Germany

ISBN: **9783668654648** (ISBN)

BOOK CHAPTER:

Smart Materials of Medicinal and Industrial Relevance

Author: Bashir Ahmad Malik

Publisher: AVID SCIENCE

Pages: 55-61

ISBN: **978-93-88170-01-7** (ISBN)

SEMINARS AND CONFERENCES:

1. Poster Present in “National seminar in Expanding Horizon in chemical science” Organized by the Department of chemistry, A.P.S. University Rewa, .2011.
2. Paper Present in Seminar on “Interface of Industry, Biology and Chemistry in 21st Century” 5th Feb. to 7th Feb., 2011. (Abstract Published)
Organizer: Department of Chemistry, University of Allahabad, Allahabad-211002.
3. Paper Present in National Conference on “EMERGING TRENDS IN CHEMISTRY” 29th – 30th December 2012, Sponsored by UGC, Bhopal (M.P) Organized by Department of Chemistry, Mata Gujri Mahila Mahavidyalaya (Autonomous) Jabalpur. (Abstract Published).
4. Presented research paper in the discipline of Chemical Sciences at the 29th M.P. Young Scientist Congress, Bhopal during February 28- March 01, 2014.

5. Participated in the “Advanced NMR Spectroscopy” School from August 12-24, 2013 in University of Hyderabad.
6. Participated in NATIONAL SCIENCE DAY CELEBRATION program on GM CROPS AND FOOD SECURITY organized by Mahakoshal Vigyan Parishad Jabalpur Division on 26-28 February 2013.
7. Presented research paper in National Conference “PLANT BASED MEDICINAL PRODUCTS: RESEARCH AND APPLICATIONS” organized jointly by Dept. of Chemistry and Pharmacy, Rani Durgawati University, Jabalpur and Association of Pharmacy Professionals (AAP) Madhya Pradesh State Branch on 9th November, 2014.
8. Delivered an oral presentation on MPCST Sponsored National Seminar “Novel Drug Delivery Strategies: A Changing and Challenging Global Scenario” organized by Guru Ramdas Khalsa Institute of Science and Technology, Pharmacy on 15th November 2014.

List of Abstract Published:

1. Oxovanadium(IV) Complexes of Bioinorganic and Medicinal Relevance: Synthesis, Characterization and 3D Molecular Modeling of some Oxovanadium(IV)Complexes Involving O, N-donor Environment of Salicylaldehyde-based Sulfa Drug Schiff Bases.
Authors: R. C. Maurya, P. Vishwakarma, D. Rajak and **B.A.Malik**.
National seminar in Expanding Horizon in chemical science, A.P.S. University, Rewa (M.P)
2. DFT Investigation of Oxovanadium(IV) Complexes of Bioinorganic and Medicinal Relevance: Synthesis, Characterization and 3D-Molecular Modeling of Some Oxovanadium(IV) Complexes involving O₄-donor core of 2-Hydroxy-1-naphthaldehyde and β -diketoenolates.
Authors: R. C. Maurya, P. Vishwakarma and **B.A. Malik**
National Conference in Emerging Trends in Chemistry, 2012 MGM College, Jabalpur (M.P.)
3. Oxovanadium(IV) Complexes of Bioinorganic and Medicinal Relevance: Synthesis, Characterization, and DFT Studies of Some Oxovanadium(IV) Complexes involving Dehydroacetic Acid and β -Diketones.
Author: **B.A. Malik**
29th M.P. Young Scientist Congress, Bhopal.

4. Synthesis, Characterization, Thermal And DFT Studies Of Some Cobalt (II), Zinc(II) Complexes Involving Dehydroacetic Acid (DHA) And β -Diketones.

Author: R. C. Maurya* **B.A. Malik** and J. M. Mir.

MPCST Sponsored National Seminar on “Novel Drug Delivery Strategies: A Changing and Challenging Global Scenario”

REFERENCES:

1. **Prof. R.C.Maurya.** Department of chemistry, Jabalpur university India.
3. **Prof. M.R Maurya,** Department of Chemistry , IIT Roorkee India
4. **Dr. Abid Hussain Shalla,** Head Department of Chemistry, Islamic University of Science and Technology, Awantipora, J & K- India.
5. **Dr. Mazoor Ahmad Dar. Senoir Assistant Professor.** Department of Chemistry, Islamic University of Science and Technology, Awantipora, J & K-India.

DECLARATION:

I declare that the information mentioned here in my resume is correct and complete to the best of my knowledge and nothing has been concealed or distorted.

Date: 08-05-2023

Place: Pulwama

Dr. Bashir Ahmad Malik