

SYED MASOOD AHMAD RIZVI (Curriculum Vitae)

A. Personal

Name: Syed Masood Ahmad Rizvi
Date of Birth: 13. 06. 1981
Nationality: Indian
Gender: Male
Current Address: Department of Chemistry
University of Kashmir, Hazratbal, Srinagar, 190006, J & K, India.
Ph: 0194-2424900, +91- 9419405757
e-mail; masoodku2@gmail.com, rizvi@kashmiruniversity.ac.in
Permanent Address: Hakeem Mohalla, Baghwanpora, Lalbazar, Srinagar, J & K, India.

B. Academic

Ph.D (2016) : “Synthesis , Bioactivity and Coordination Inspired electrochemical behavior of Organic and metalo organic systems.”
M. Sc. (2004): “Inorganic Chemistry” with 1st Class 1st Position.
National Eligibility Test: UGC-CSIR June 2004.
B. Sc. (2001): 1st Division with life science course and Chemistry as major subject.
S.S.School (1998): 1st division (Grade A)
S.School (1996): 1st division (Grade A)

C. Awards/ Distinctions:

- i) University merit scholarship for first position in Entrance and M.Sc Chemistry.
- ii) University Gold Medal for First Class First position in Chemistry.
- iii) Graded **“excellent”** in student evaluation conducted by Directorate of Internal Quality Assurance (DIQA) of the University of Kashmir.
- iv) A Grant of Rs 0.5 lakh for innovative research grant under UGC 12th Plan, 2016

D. Professional

Appointments:

- i. Contractual Lecturer (01.05.2004 to 31.11.2004) , Higher Education Department J & K State Government.
- ii. Teaching Assistant in Chemistry (01.03.2005 to 27.09.2005), Department of Chemistry, University of Kashmir.
- iii. Lecturer in Chemistry (28.09.2005 to 01.01. 2010), Department of Chemistry, University of Kashmir.
- iv. Assistant Professor in Chemistry (01.01.2010 to 27.10.2011), Department of Chemistry, University of Kashmir.
- v. Assistant Professor (stage 2) in Chemistry from 27.10.2011 onwards , Department of Chemistry University of Kashmir.

E. Teaching and Research Experience:

10 years as P. G. Teacher and 06 years as Independent researcher.

F. Professional courses/ Training Programmes completed:

Name of the Activity	Venue	Duration	Sponsoring Agency
i) Winter School in Bio- Inorganic Chemistry	Indian Institute of Technology, Mumbai (IIT Bombay)	03 Weeks	DST, GOI New Delhi
ii) 54 th General Orientation	University of Kashmir	03 Weeks	UGC
iii) Refresher Course in Chemistry	Centre for Advanced studies in Chemistry Punjab University , Chandigarh	03 Weeks	UGC
iv) Lab. Course in Computational Chemistry	National Chemical Laboratory (NCL) Pune	02 months	University of Kashmir (Deputation only)
v) Refresher Course in Chemistry	Department of Chemistry University of Pune	03 Weeks	UGC
vi) Lab. Course in Molecular Modeling.	Department of Chemistry (IITB)	01 months	DST (Faculty improvement programme)
vii) Short course in Computational Chemistry	National Chemical Laboratory (NCL)	02 Weeks	JK DST (Summer Fellowship)

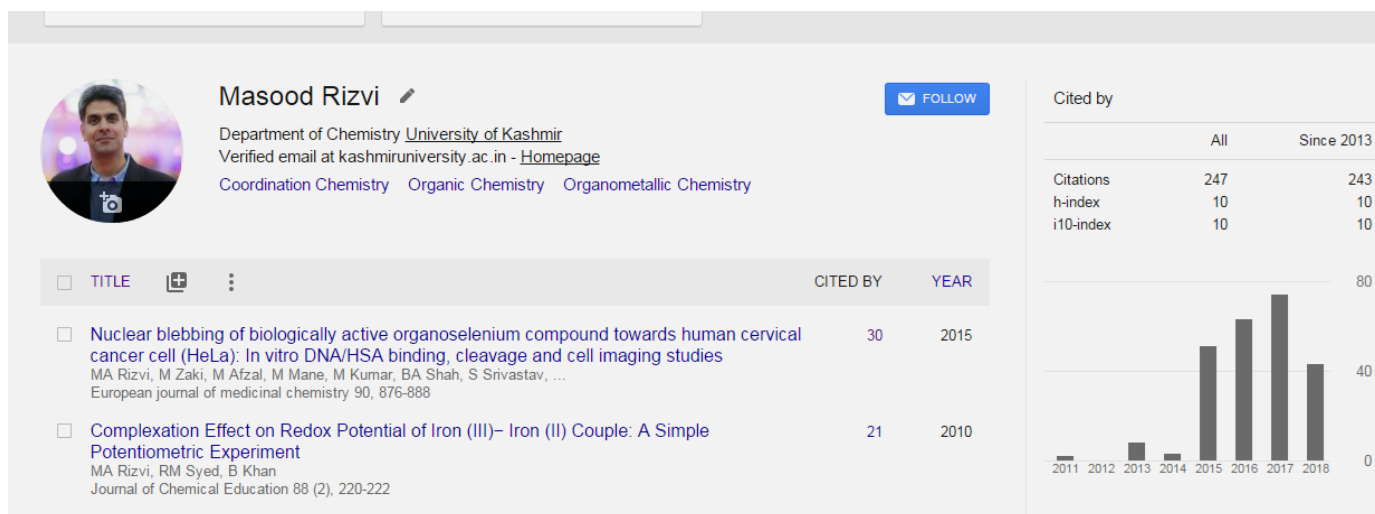
G. Academic / Administrative Assignments :

- i) Staff Secretary .
- ii) Active member Board of under Graduate Studies in Chemistry
- iii) Active member Board of Post Graduate Studies in Chemistry.
- iv) Teacher In charge Extension Lectures and Seminar presentations of M.Sc IV Semester students
- v) Teacher In charge student Grievances, Time Table , Academic Calendar of Department, Editor departmental Souvenir, Net JRF Counseling and Student placements.
- vi) Served as Subject expert (Inorganic Chemistry) for SLET examination, Syllabus framing and revision of University of Kashmir and Central University of Kashmir.
- vii) Served as academic Tour incharge/escort of P.G. Students to National Laboratories/ Institutes.
- viii) Served as external Practical examiner and paper setters for assignments of Jammu, Punjab and Central University of Kashmir.
- ix) Served as resource person in various symposia and workshops, refresher courses at Pune and Kashmir University and Muqaddas Degree college Poonch.
- x) Served as organizing/member secretary in the various workshops, seminars organized by the department from time to time .
- xi) Served as reviewer to some National and International(EJMC) refereed journals in Chemistry.

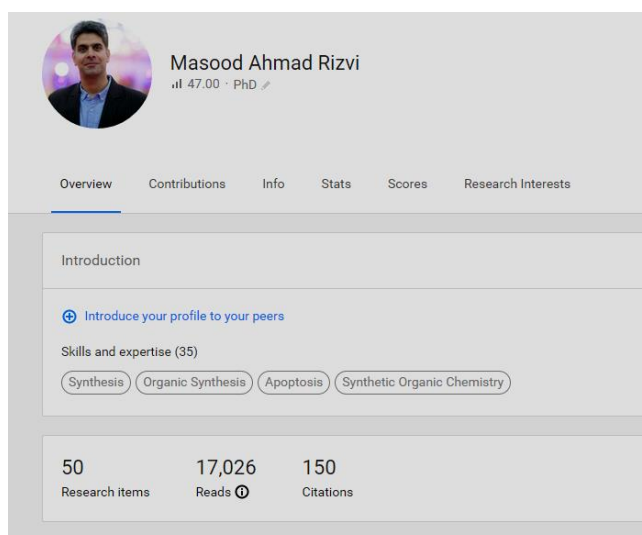
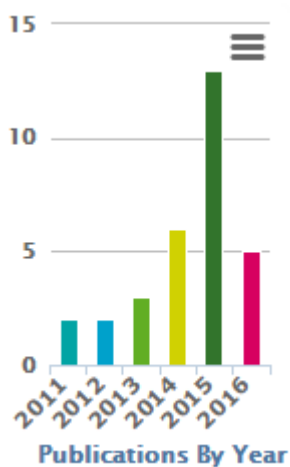
H. Research

Total impact: 70.296, Avg. impact factor per paper : 2.00, Citations: 247 ; h-index = 10, i-10 index =10

Total Publication reads: > 25,000 Research gate RG score > 46 (Google Scholar & Research Gate)



The bar graph of last five years of publications of Mr. Masood Ahmad Rizvi provided by PUBFACTS via <http://www.pubfacts.com/author/Masood+Ahmad+Rizvi>



I Publications: 30 (In order of decreasing Impact factor)

1. Computational Study of Metal Free Alcohol Dehydrogenation Employing Frustrated Lewis Pairs *J. Org. Chem.* **2015**, 80, 2081–2091. 10.1021/jo5023052 (**Impact Factor = 4.849**)

Strength and sorption capacity modulation of carboxymethylcellulose hydrogels in presence of ester-bonded gemini surfactants, *J. Mol. Liq.*, **2017**, 238, 215–224, 10.1016/j.molliq.2017.04.125(**Impact Factor = 3.648**)
2. Acetaldehyde in Asymmetric Organo-catalytic Transformations RSC Adv., **2015**, 5, 55926 10.1039/c5ra05695k (**Impact Factor = 3.108**).
3. Highly efficient dehydrogenative cross-coupling of aldehydes with amines and alcohols RSC Adv., **2015**, 5, 90521 10.1039/c5ra17425b (**Impact Factor = 3.108**).
4. Anti-inflammatory terpenoids from *Boswellia ovalifoliolata* RSC Adv., **2014**, 4, 8632 10.1039/c3ra46412a (**Impact Factor = 3.108**).
5. Pseudo-indicator behavior of platinum electrode explored for the potentiometric estimation of non-redox systems *Talanta*, **2012**, 101, 246–252 10.1016/j.talanta.2012.09.020 (**Impact Factor = 4.162**).
6. Nuclear blebbing of biologically active organoselenium compound towards human cervical cancer cell (HeLa): In vitro DNA/HSA binding, cleavage and cell imaging studies *European Journal of Medicinal Chemistry* 90, **2015**, 876-888 10.1016/j.ejmech.2014.12.0 (**Impact Factor = 4.519**).
7. Cu(OTf)₂ catalyzed Oxidative Amidation of Terminal Alkynes; A general Approach to α -Ketoamides *Asian J. Org. Chem.* **2015**, 4, 438 – 441 (**Impact Factor = 2.788**)
8. Synthesis of α,β -Unsaturated δ -Lactones by Vinyl Acetate Mediated Asymmetric Cross-Aldol Reaction of Acetaldehyde: Mechanistic Insights *Eur. J. Org. Chem.* **2014**, 5247–5255. 10.1002/ejoc.201402551 (**Impact Factor = 2.834**).
9. A general metal-free approach for the stereoselective synthesis of C-glycals from unactivated alkynes Beilstein *J. Org. Chem.* **2014**, 10, 2649–2653 doi:10.3762/bjoc.10.277. (**Impact Factor = 2.76**).
10. Anti-arthritis effect of Saponin-1 by alteration of Th1/Th2 cytokine paradigm in arthritic mice *CYTOKINE*, **2016**, 79,103—113 doi: 10.1016/j.cyto.2016.01.004 (**Impact Factor = 3.488**).
11. Antiproliferative potential of a novel parthenin analog P16 as evident by apoptosis accompanied by down-regulation of PI3K/AKT and ERK pathways in human acute lymphoblastic leukemia MOLT-4 cells *Chemico-Biological Interactions* 222, **2014**, 60–67 DOI: 10.1016/j.cbi.2014.08.011 (**Impact Factor = 3.143**).
12. Coordination inspired redox behavior of Fe(II) and Co(II) explored for simultaneous Iron oxidation state analysis, *Journal of Pharmacy Research* **2012**,5(5),2715-2720 (**Impact Factor = 2.5**).
13. An investigation of in vitro cytotoxicity and apoptotic potential of aromatic diselenides *Bioorg. Med. Chem. Lett.* **2014**, 24 3440–3446 DOI: 10.1016/j.bmcl.2014.05.075 (**Impact Factor = 2.454**).
14. Osmium (VI) Catalyzed Chemoselective Oxidation of Allylic and Benzylic Alcohols *Tetrahedron Letters*, **2013**, 54 6407–6410 DOI: 10.1016/j.tetlet.2013.09.036 (**Impact Factor = 2.193**).

15. Visible Light Mediated Chemo-selective Oxidation of Benzylic Alcohols **Tetrahedron Letters** 57 (2016) 3294–3297.
DOI:10.1016/j.tetlet.2016.06.046 (**Impact Factor = 2.193**).
16. Exploring Activity Differences between the Hydroformylation Catalysts: Insights from Theory *Journal of Organometallic Chemistry* **2016**, 801–813 (Impact Factor = 2.184).
17. Complexation Key to a pH Locked Redox Reaction *J. Chem. Educ.* **2016**, 93, 355–361 DOI:10.1021/acs.jchemed.5b00499
(**Impact Factor = 1.419**).
18. Complexation Effect on Redox Potential of Iron(III)-Iron(II) Couple: *J. Chem. Educ.* **2011**, 88(2) : 220-222;
10.1021/ed100339g (**Impact Factor = 1.419**)
19. Computational survey of ligand properties on iron(III)–iron(II) redox potential: exploring natural attenuation of nitroaromatic compounds *Monatsh Chem* (2016). doi:10.1007/s00706-016-1813-8 (**Impact Factor = 1.282**).
20. Crystal structure, computational studies, and stereoselectivity in the synthesis of 2-aryl-thiazolidine-4-carboxylic acids via in situ imine intermediate, *Journal of Sulfur Chemistry*, **2016**, DOI: 10.1080/17415993.2016.1156116
(**Impact Factor: 0.945**).
21. Synthesis, Crystal Structure and in vitro DNA binding studies of Combretastatin A-4 Analogue *Croat. Chem. Acta* **2015**, 88(3), 289–296 DOI: 10.5562/cca2662 (**Impact Factor = 0.73**).
22. Thermo-Kinetic Investigation of Comparative Ligand Effect on Cysteine Iron Redox Reaction *Croat. Chem. Acta* **2015**, 88(1), 65–72 DOI: 10.5562/cca2479 (**Impact Factor = 0.73**).
23. 1,10 Phenanthroline modulated redox behaviour explored for Iron Speciation Analysis *Croat. Chem. Acta* **2013**, 86(3), 345–350 DOI: 10.5562/cca2167 (**Impact Factor = 0.73**).
24. Synergistic Effect of Perchlorate Ions and Acetonitrile Medium Explored for Extension in Copper Redoximetry *Journal of Analytical Chemistry*, **2015**, 70, (5): 632–637. DOI: 10.1134/S1061934815050093 (**Impact Factor = 0.723**).
25. Complexation Modulated Redox Behavior of Transition Metal Systems *Russian Journal of General Chemistry*, **2015**, 85, (4): 959–973. DOI: 10.1134/S107036321504 (**Impact Factor = 0.553**).
26. Synthetic Organo-Selenium Compounds in Medicinal Domain *Asian Journal of Chemistry*; **2015**, 27(8): 2745-2752 DOI: 10.14233/ajchem.2015.18834 (**Impact Factor = 0.45**).
27. Utilizing Fe(III)/(II)-EDTA Couple for Estimation of Transition Metal Ion Mixture Over Platinum Electrode *Asian Journal of Chemistry*; **2013**, 25(9): 4776-4778 DOI: 10.14233/ajchem.2013.14099 (**Impact Factor = 0.45**).
28. One-pot Three Components Synthesis of 3-(α arylaminobenzylidene) indoles catalysed by proline *Chiang Mai J. Sci.* **2015**; 42(4) : 877-885 (**Impact Factor = 0.42**).
29. Complexation of Oxovanadium(IV) and Dioxouranium(VI) with Synthesized 1,2-(Diimino-4-anti pyrynyl)-1,2-diphenylethane Schiff Base: A Thermodynamic, Kinetic, and Bioactivity Investigation *Journal of Inorganic Chemistry* **2014**, Article ID 268383, 1-11 <http://dx.doi.org/10.1155/2014/268383>.
30. Utilizing 1,10-Phenanthroline Ligand Effect in Estimation of Cobalt (II) and Simultaneous Estimation of Cobalt (II) and Iron (II) with Cerium (IV) *Chem. Educator* **2011**, 16, 72–75 DOI: 10.1333/s00897112337a.

31. Regio-Selective Phosphation and Phosphonation of 9-Fluorenones *Chemistry Select* **2016**, *1*, 6040 – 6043, DOI: 10.1002/slct.201601359.
32. Anti-Metastatic Propensity of Biscoumarin Scaffold Synthesized Under Catalyst Free Aqueous Phase Microwave Irradiation *Croat. Chem. Acta* **2017**, *90*(3), 471–480, DOI: 10.5562/cca3136.
33. Strength and sorption capacity modulation of carboxymethylcellulose hydrogels in presence of ester-bonded gemini surfactants *Journal of Molecular Liquids* , **2017**, *238* 215–224, <http://dx.doi.org/10.1016/j.molliq.2017.04.125>.
34. Microwave Assisted Expeditious and Green Cu(II)-Clay Catalyzed Domino One-Pot Three Component Synthesis of 2H-indazoles, *Bulletin of Chemical Reaction Engineering & Catalysis*, **2018**, *13* (1): 82-88 (doi:10.9767/bcrec.13.1.963.82-88).
35. Iron Reduces Iron: A Spectroelectrochemical Insight of Ligand Effect on Iron Redox Potential, *Chiang Mai J. Sci.* **2018**; *45*(2),1087-1098
36. Acyl radicals from terminal alkynes: Photoredox-catalyzed acylation of heteroarenes, *Chemistry–A European Journal*,*24*, **2018**, 10617-10620 (Impact factor: 5.16)

J. Papers Presented in Conferences/ Symposia:

1. An Exploration of *in vitro* DNA Binding Propensity & Cytotoxicity of Aromatic Organo Selenium Derivatives *21st ISCB International Conference (ISCBC-2015). Current Trends in Drug Discovery and Developments. 25th - 28th February, 2015 CDRI Lucknow, India.*
2. DFT insight of hydrogen bonding influence in the asymmetric cross-aldol and cis/trans isomerisation in δ -lactones. *17th CRSI National Symposium in Chemistry February 06-08, 2015, At CSIR-NCL, Pune.*
3. Green Synthesis, Characterization , Biological activity and micellar solubilization for enhanced Bioavailability of some novel Schiff bases and their Complexes. *3rd Asian Conference on Coordination Chemistry (ACCC-3,2011)*, at **India Habitat Center, New Delhi, India.**
4. Novel Analytical monitoring of Transition metal ion mixtures through ligand tuned redox potentials, *International Conference on Chemistry : Frontiers and Challenges 5—6 March, 2011*, Department of Chemistry **Aligarh Muslim University Aligarh, UP, India.**
5. Designing Novel Redox Systems with 1, 10- phenanthroline, *National Symposium on Emerging trends in Chemistry (NSETC—10) February 15—16 ,2010*, at Department of Chemistry **Punjabi University, Patiala, Punjab, India.**
6. Utilising Complexation Effect in Development of Novel Redox Systems, *12th CRSI & 4th RSC-CRSI International Symposium in Chemistry*, February 4—7 , **2010**,at Department of Chemistry **Indian Institute Chemical Technology (IICT) Hyderabad India.**
7. Comparative avidity of different types of Organometallics as Hydrogen Storage Systems, *International Conference on Hydrogen Storage Methods and Materials January 3—6 , 2009.*, at Department of Inorganic & Physical Chemistry; **Indian Institute of Science (IISc) Bangalore India.**
8. Impact of Counter ion and Acetonitrile medium on copper redox couple and its electro analytical Applications. *JK Science Congress*, 17th-19th September 2012, University of Kashmir.

9. Ligand Modified Electrochemical Behavior of Iron Complexes: A Computational Study. *JK Science Congress* October 1-3, 2013, University of Kashmir.
10. Synthesis , PhysicoChemical behavior and Bioactivity of aromatic diselenides. *4th National Symposium on Recent Advances in Analytical Sciences and Applications*, February 9-10, **2015. Jamia Hamdard, New Delhi.**
11. “Environmentally Benign Iron Speciation, A novel semi green potentiometric alternative *First Indo Italian workshop on Frontiers of Fundamental & Industrial Electrochemistry. August 30th—31th, 2010* Department of Chemistry **University of Delhi and Embassy of Italy, New Delhi India.**
12. “Indirect estimation of non redox systems over platinum electrode. An uncommon Pseudo Indicator *Behavior 6th JK Science Congress, 2010*, University of Kashmir, Srinagar.
13. “An alternate Spectrophotometric method of Aluminium estimation in some daily use items” *6th JK Science Congress, 2010.* University of Kashmir, Srinagar.
14. “Sulphanilamide Schiff Base complexes: Green Synthesis, Coordination and Electrochemical Behaviour.” *6th JK Science Congress, 2010.* University of Kashmir, Srinagar.
15. “Ligand Modified Electrochemical Behavior Explored for Novel Analytical Applications and Pseudo Indicator Action.” *13th CRSI National Symposium in Chemistry February 4—6, 2011*, Department of Chemistry National Institute of Science Education and Research (NISER) **Bhubaneswar.**

K. Invited Lectures

S.No.	Title of Lecture/Academic Session	Title of Conference/ Seminar/workshop/ symposium etc.	Organised by
01	<i>Complexation effect on redox potential of transition metal ions & its novel applications.</i>	Refresher Course in Chemistry from 04-09-2010 to 24-09-2010	UGC at Chandigarh Academic Staff College Punjab University
02	<i>Crystal Field theory: principles & Applications</i>	Teacher training programme	State Institute of Education Srinagar on 12.02.08
03	<i>Metal –Metal bonding in clusters</i>	Teacher training programme	State Institute of Education Srinagar on 14.02.08
04	<i>Practicing Green Chemistry</i>	Teacher training programme	Army Public School Srinagar
05	<i>Environmental Chemistry</i>	Teacher training programme	Muqaddas Degree college 14.02.2013
06	<i>Organometallics Retrospect & Prospect</i>	Teacher training programme	Muqaddas Degree college 16.02.2013
07	<i>Nanotechnology Concept & applications</i>	Teacher training programme	Muqaddas Degree college 18.02.2013
08	<i>Metals in medicine</i>	Teacher training programme	Muqaddas Degree college 21.02.2013

09	<i>Hydrogen economy Prospects & Challenges</i>	Teacher training programme	<i>Muqaddas Degree college</i> 24.02.2013
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Masood Ahmad Rizvi

Srinagar 12-12-2017.