

Profile of Dr. Rajesh Kumar Malik



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Research fields:

- Analytical Chemistry
- Amperometric determination of coinage and Platinum metals with organic sulphur compounds

1. Educational qualifications

Degree	Year of passing	University/ Institute
Ph. D	1995	M. D. University, Rohtak, Haryana
M. Sc.	1991	M. D. University, Rohtak, Haryana
B. Sc	1988	M. D. University, Rohtak, Haryana

2. Career profile

Designation	Institute served	Duration	
		From	To
Lecturer (Assistant Professor)	A.I.J.H.M College, Rohtak	August 2008	April, 2010
	Department of Chemistry, M.D. University, Rohtak	May, 2010	Till now

3. Publications

i)	Research papers	
	Journals	04(Annexure-I)
	Conferences & Courses	05 (Annexure-II)

4. Participation in conferences/seminars 01

5. Number of Research Students 01

List of the publications

Annexure-I

1. O.P. Agrawal K.K. Verma, S.P. Khatkar and Rajesh Malik,
Amperometric Trace Determination of Cu (II), Ag(I), Au(III), Pd(II) and Pt (IV) with 2-Mercapto and 3-Mercaptopropanoic acids, Asian journal of Chemistry, Vol. 6, No.4(1994), 911-916.
2. O.P. Agrawal, S.P. Khatkar and Rajesh Malik,
Amperometric Trace Determination of Rh(III), Os(III) and Ir(III) with 2-and 3-Mercaptopropanoic acids, SAEST, Vol. 31, No. 4(1996), 147-153.
3. O.P. Agrawal, S.P. Khatkar and Rajesh Malik,
Amperometric Determination of Metal Ions with Thioacids – Copper, Silver, Gold, Palladium and Platinum with Thioacetic acid J. Electrochem Soc., India, Vol. 47-1 (1998), 71-74.
4. O.P. Agrawal, K.K. Verma, S.P. Khatkar and Rajesh Malik,
Amperometric Trace Determination of Ir (III). Proc. 81st Ind. Sc. Cong. Part III (Abstracts).
5. O.P. Agrawal, K.K. Verma, S.P. Khatkar and Rajesh Malik,
Amperometric Trace Determination of Ru(III) with the help of 2-mercaptopropanoic acid. Vijana Parishad Anusandhan Patrika; Vol. 36 NO. 4(1993), 261-265.
6. O.P. Agrawal, S.P. Khatkar & Rajesh Malik,
Exploitation of Maximum in the Metal Wave for the Amperometric Determination of Small Amounts of Pt.(IV). Journal of Scientific & Industrial Research, Vol. 57, September, (1998),536-538.
7. O.P. Agrawal S.P. Khatkar, Dayawati and Rajesh Kumar Malik,
Amperometric Trace Determination of Ru(III), Rh(III) and Os(VIII) with Ethanedioic Acid. SAEST, Vol. 33, NO. 1 (1998) 28-31.

8. Study on the Pyrazine Complexes of some Diaryltellurium Dihalides.
9. An efficient solvent free synthesis of coumarins via solid phase pechmann reaction.
10. Synthesis and Characterization of tris-(4-Phenoxyphenyl) amine by conventional Method
11. Synthesis of 2-(benzylidene)-5,5-dimethylcyclohexane-1,3-diones and 2-(benzylidene).
12. Synthesis of tetraketones from 5,5,-dimethylcyclohexane-1,3-dione and arylaldehydes
in water in presence of various salts in excellent yields with and without the assistance of
microwaves.
13. Synthesis of novel 1,5-Benzothiazepines as CNS agents.

Conference Attended

Annexure- II

- International Conference on Energy, Environment and Electrochemistry, 10-12 February, 1993 Karaikudi – India paper presented entitled, Amperometric Determination of Cu(II), Ag(I), Au(III) and Pd(II) with 3-Mercaptopropanoic Acid.
- Proceedings of the 81st Session of the Indian Science Congress Jaipur in 1994 and paper presented entitled, Amperometric Trace Determination of Ir(III).
- National Conference on Advances in Chemical Sciences organised by MDU Rohtak.
- National conference on Advanced scientific developments in Chemical Sciences. Organised by DCRUST Murthal
- National conference on science and technology for indigenous development in India. Organised by ISC Haridwar Chapter.
- National conference on Recent advancements in Science & technology organised by Arya P.G. College, Panipat . sponsored by DG higher education Haryana

Courses Attended

- Orientation Course at B.P.S. Mahila Vishwavidyalaya Khanpur Kalan, Sonapat from 13th December, 2010 to 11th January, 2011. Grade-A, NO. UGC/ASC/11/3739.

Dr. Rajesh Kumar Malik

- **Life Member of Indian Council of Chemists & Indian Science Congress**

- **Conferences Attended/Research Paper Presented**

(i) 6th National Conference on Thermodynamics of Chemical and Biological Systems organized by Department of Chemistry, M.D. University, Rohtak.

November 2-4, 2011.

(ii) Science Conclave-2011, Interaction of Innovative Young Minds with Eminent Scientists organized by M.D. University, Rohtak and Ministry of Science & Technology, Govt. of Haryana. (Organizer)

December 2-3, 2011.

(iii) 2nd National Conference on Recent Advances in Chemistry and their Impact on Environment organized by Arya P.G. College, Panipat, Sponsored by D.G. Higher Education, Haryana & Ministry of Science & Technology, New Delhi. (Paper Presented)

February 4-4, 2012

(iv) Two days National Seminar on Scientific Development for Human Welfare: Promises and Concerns organized by J.V.M.G.R.R., P.G. College Charkhi Dadri (Haryana) sponsored by D.G. Higher Education Haryana (Paper Presented)

February 10-11, 2012.

(v) National Seminar on Chemistry: Our Life Our Future, D.H.E. sponsored.

March 12, 2012

vi) National Seminar on Haryana in National Perspective organized under UGC,s Special Assistance Programme, Department of Economics, M.D.University, Rohtak

14-15 March, 2012

vii) 2nd National Seminar on Microbes in Human Welfare organized by Department of Microbiology, M.D>University, Rohtak

24 March, 2012.

viii) National Conference on Global Challenges in Chemical Sciences organized by Department of Chemistry, K.U. Kurukshetra , Sponsored by U.G.C.(Paper Presented)

September 22-23, 2012

ix) International Conference on Recent Advances in Chemical Sciences (Novel Molecules for Diagnosis and Therapeutics) organized by Arya P.G. College, Panipat sponsored by DHE Haryana and CSIR, New Delhi. (Paper Presented)

February 24-26, 2013

(x) National Conference on Advances in Chemical Sciences (ACS-2013) organized by Department of Chemistry, M.D.University, Rohtak sponsored by Indian Society of Analytical Scientists –Delhi Chapter (ISAS-DC). (Organizer)

March 1-2, 2013

• **Workshops Attended:**

(i) National Workshop on Current Perspectives in Advance Material Science organized by Pt. Neki Ram Sharma Government College, Rohtak under the auspices of DHE, Haryana

February 8-9,2012