

PT.RAVISHANKAR SHUKLA UNIVERSITY RAIPUR
Application for career Advancement Scheme

- 1) Post of which option has been sought for - Professor
 2) Name of the Applicant - DR. M.K.Rai
 3) Date of Birth - 30th JULY, 1968
 4) Qualification in chronological order

Examinations Passed	Board/University	Subjects	Year	Division/ Grade Merit etc.
High School	-	-	1985	General Promotion
Higher Secondary School certificate	Board of Secondary Education, BHOPAL (M.P.)	Physics, Chemistry, Biology, Hindi, English	1986	Second
Bachelors degree(s)	Dr. Hari Gaur University, Sagar (M.P.)	Physics, Chemistry, Biology, Hindi, English	1989	Second
Master's degree(s)	Pt. Ravishankar Shukla University, Raipur (C.G.)	Chemistry	1992	Second
Research degree(s)	Pt. Ravishankar Shukla University, Raipur (C.G.)	Analytical Studies on Lesser known but widely occurring Environmental Toxicants	1996	-

5) Employment Record

No.	Name of the Employer	Post	Pay	Scale	Period	Reason of leaving, if any
i	Commissioner, Higher Education Govt. of Chhattisgarh, Raipur(C.G.)	Assistant Professor	8000	8000-275-13500	16-12-96 to 30-09-2003	LEAN
ii	Registrar, Pt. Ravishankar Shukla University, Raipur	Reader	12000	12000-420-18300	30-09-2003 till date	Continuing

6) Present Post & Department READER, School of Studies in Chemistry

(a) Date of appointment - 30th September, 2003

(b) Basic Pay (in Pay scale) - Rs. 41720=00

(Rs.37400-67000, AGP Rs. 9000)

7) Experience (Adhoc /Contract services shall not be counted)

	From	To	Year/Month
Assistant Professor	16-12-1996	30-09-2003	06/09
Reader	30-09-2003	Till date	06/07 continuing

8) Year wise Publication from first appointment:

Publication	Numbers
Books	Nil
Research paper in reputed journals	(List attached)

9) State/National/ International/ University awards if any-

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10) Details of Orientation Course/ Refresher Course/ workshop

List Attached

11) Additional information if any: - Actively engaged in academic, research and co-curricular activities of the University.

DECLARATION

I here by declare that above information furnished by me is correct to the best of my knowledge and belief, if any information found in correct at any time, the university has right to disqualify / punish as per rule.

Signature

Name: - Dr. M.K.Rai

Post: - READER

Department & Address:-

School of Studies in Chemistry

Pt. Ravishankar Shukla University

Raipur – 492010 (C.G.)

Forwarding comments & Recommendation of the Head of the School of Studies.

Signature of Head of SOS

N.B. In certification of the details given above be attached as enclosures with application without which the application shall not be entertained.

List of Published work

S.No.	Title	Author	Journal
1.	A new solid sorbent system for rapid monitoring of formaldehyde		Chemia Analityczna (Poland) 1993,39,133
2.	Spectrophotometric method for the determination of total tobacco Alkaloids and Nicotine.	Manish Rai, K.N. Ramchandran, V.K. Gupta*	Analyst(U.K.) 1994,119,1883
3.	Extraction spectrophotometric determination of selenium (IV) with j acid in environmental Samples.	Manish Rai, K.N. Ramchandran V.K.Gupta	Talanta(U.S.A.) 1994,41,1623
4.	A new spectrophotometric method for the rapid monitoring of phenylisothiocyanate in coke oven air and biological samples.		Journal of Indian Chemical Society (India)1996,73,447
5.	A sensitive determination paraquat by Spectrophotometry.	M.K.Rai, Joyce Vanisha Das, V.K.Gupta	Talanta (U.S.A.) 1997,45,343
6.	A sensitive spectrophotometric method for the determination of paraquat in food and biological samples.		Journal of AOAC (U.S.A.) 1997,80(2),388
7.	A sensitive colorimetric method determination of Ascorbic Acid in food, pharmaceuticals and biological samples.		Chemia Analityczna (Poland) 1998,43,85
8.	A new solid sorbent system for rapid monitoring of paraquat and diquat.		Intern.J.Envi. Anal. Chem. (U.K.) 1998,69,207
9.	Spectrophotometric determination of Isoproturon using p-aminoacetophenone and its application in environmental and biological samples.		Talanta (U.S.A.) 1998,46,501
10.	A new reagent system for the Analysis of carbofuran and its application in environmental samples.		J.Indian Chem.Soc. (India) 1998,75,181

11.	New analytical technique for the simultaneous determination of aromatic amines in environmental samples.		Journal of Scientific & Industrial Research (India), 2005, 64, 594-597.
12.	Thin Layer Chromatographic Detection of Monocrotophos in Biological Samples.		Chemical & Environmental Research (India), CER/NOV/Pub-03/04/032,2005
13.	A New and highly Sensitive Spectrophotometric determination of Monocrotophos in Environmental and Biological Samples.		Journal of Chinese Chemical Society (China), 2006, 53, 343-347.
14.	A new solid sorbent system for rapid monitoring of nicotine.		Journal of Indian Chemical Society, 2005, 82, 1032-1034.
15.	Trace Spectrophotometric Determination of Dichlorvos using Diphenyl semicarbazide (DPC) in Environmental Samples.		Journal of Chinese Chemical Society (China).2007, 54, 345-350.
16.	A new sensitive spectrophotometric determination of cypermethrin insecticide in environmental and biological Samples.		Journal of the Brazillian Chemical Society, (Brazil), 2007, 18, 590-594.
17.	TLC-spectrophotometric separation and trace determination of monocrotophos and dichlorvos in environmental and biological samples.		Journal of environmental science & engineering,(India) 2007 49, 133-141.
18.	Micro determination of ascorbic acid using methyl viologen.		Talanta (USA), 2007, 72, 1013-1019.
19.	Heat-gradient analytical technique for the simultaneous determination of some aromatic amines.		Journal of Analytical Chemistry, 2008, 63, 157-161.
20.	Sub-Parts-per-Million Spectrophotometric Determination of CFCs in Working Environment air, using alkaline Pyridine medium.		Journal of Chemical & Environmental Research,2005,14 (No.3&4),261-266
21.	A new spectrophotometric determination of choropyriphos in environmental and		(Published – Pakistan Chemical Society, Pakistan).

	biological samples.		
22.	Investigation of new indirect spectrophotometric method for the determination of Dichloroovas in environmental and biological samples.		Journal of the Indian Chemical Society, (India),2006, 83,1-3
23.	A new sensitive method for the determination of deltamethrine in environmental, agricultural and biological samples		Journal of Indian Chemical Society,2007,84,1176-1178
24.	Analytical techniques for the determination of chloroform in various samples		Indian Journal of Environment & Ecoplaning,communicated 2008
25.	Investigation of CFC-12 with p-aminoacetophenone reagent in environmental and biological samples.		Journal of Critical Reviews in Toxicology,commmunicated 2008
26.	Extraction with 2-Butanol for the determination of Carbon Tetrachloride (CTC) in Environmental and Biological samples.		Journal of Brazilian Chemical Society, communicated 2008
27.	A new spectrophotometric determination of Atrazine using p-amino aetophenone and its application		Journal of Chinese Chemical Society, China (Communicated) 2009
28.	A new spectrophotometric determination of diquat in various samples.		Journal of Brazil Chemical Society, Brazil (Communicated) 2009

**List of Presented Work in Congress/Seminar/Workshop
Orientation Course/Refresher Course**

S. No.	Title	Congress/Seminar/Convention/Workshop
1.	A new solid sorbent system for rapid monitoring of formaldehyde	30 th Annual Convention of Chemists Calcutta, Dec. 22-24, 1993, Abstr. B. M. 23.
2.	An efficient absorbing medium for a new spectrophotometric determination of Freon -12 in the ambient environment.	81 st Indian Science Congress, Jaipur, Jan. 3-8, 1994, Abstr. No. ORG -152.
3.	Selective extraction spectrophotometric determination of Thallium (I) using phoroglucinol as reagent and its application in complex materials.	13 th Annual Indian Council of Chemists, Jammu Oct. 24-24, 1994, Abstr. No. Anal. AO -2.7
4.	An efficient absorbing medium for a new spectrophotometric determination of Chlorodifluoromethane (CFC 22) in the working environment and air.	31 st Annual Convention of Chemists, Banaras, Dec. 21-24, 1994. Abstr. No. Anal A. O. – 4.5
5.	A sensitive Spectrophotometric method for the determination of paraquat in food and biological samples.	14 th Annual Indian Council of Chemists, Bombay, Dec. 28-30, 1995 Abstr. No. Anal A. O. - 14
6.	Study of spectrophotometric determination of Cabondisulphide with leucocrystal violet and its application.	National Symposium on Physicochemical Application in the analysis of pollutants in the environment, Nuzvid, Feb. 2-4, 1996 Absstr. No. - 36
7.	A new and highly sensitive spectrophotometric determination of monocrotophos in environmental and biological samples.	41 st Annual Convention of Chemists New Delhi Dec. 23-27, 2004, Abstr. No. AEC (OP) – 15.
8.	Modified method for the determination of small quantities of nicotinic acid in presence of nicotinamide.	92 nd Indian Sciences Congress Association, Ahmadabad 3-7 Jan 2005
9.	Trace spectrophotometric determination of dichlorvos using diphenyl semicabazide (DPC) in environmental samples.	National Seminar on Novel Trends in Synthesis Structure Reaction Studies of Coordination Compounds (NATSEM-CC), Tamilnadu 3-4 th 2005, abstr. No. (OP) - 08

10.	Thin Layer Chromatography detection/determination in environmental and biological samples.	National Workshop on environmental Issues in the newly formed State on Indian Union Bhilai, 6th Oct. 2004, Abst.No.-10
11.	Effect of Insecticides in Environment	Department of Chemistry, St. Thomas College, Bhilai, 16th September, 2005
12.	A new TG – TLC technique for the simultaneous determination of phenolic pesticides.	113/ 93, 93 rd Indian Science Congress, Hyderabad, 3-7 Jan 2006.
13.	A new and highly sensitive spectrophotometric determination of monocrotophos in environmental and biological samples.	Israelanalytica International conference, Tel Aviv, 17-18 Jan, 2006. (Isreal)
14.	A new sensitive spectrophotometric determination of CFC's in working environment.	93 rd Indian Sciences Congress, Hyderabad, 3-7 Jan 2006, p. 94
15.	Investigation of new indirect spectrophotometric method for the determination of Dichlorovos in environmental and Agricultural samples.	94th Indian Science Congress, Annamalai University, Chidambaram, Tamilnadu, 3-7 Jan 2007.
16.	Indirect spectrophotometric investigation of CFC-12 using p-aminoacetophenone in biological and environmental samples	National Seminar at Kabirdham (C.G.), 08-09 March, 2007, 11
17.	A sensitive spectrophotometric determination of CFC-12 using p-aminobenzoic acid reagent in working environment	95th Indian Science Congress, Vishakhapatnam, 3-7 Jan 2008
Orientation Course/Refresher Course		
18.	U.G.C. 52nd Orientation Course from 05-02-2001 to 03-03-2001 at Rani Durgavati Vishwavidyalaya, Jabalpur (M.P.)	
19.	Advanced Instrumental Training Programme at M.P. Council of Science & Technology, Bhopal from 15-03-1999 to 19-03-1999	