

Curriculum Vitae of Prof. K. S. Patel

1	Name	Dr. KHAGESHWAR SINGH PATEL
2	Date of Birth	16-11-1951
3	Present Position	Prof. & Head, Analytical/Environmental Chemistry, School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur-492010, CG, India (www.prsu.ac.in), Tel: 0091-771-2262175, Mobile: 09993013290, E. Mail: patelks_55@hotmail.com
4	Nationality	Indian
5	Research experience	35 Years (1975 - up to date)
6	Teaching experience	25 Years (1986 - up to date)
	at PG levels	
	Post doctoral	6 Years
	Research experience	<ul style="list-style-type: none"> • Forschungszentrum Karlsruhe, Institute for Meteorology and Climate Research & Karlsruhe Applied University (2005, 2006, 2007, 2008 & 2010) • Royal Institute of Technology (KTH) in Stockholm, Sweden (2008) • TU Darmstadt, Germany, 3 Years (1983-85, 2000, 2001, 2002, 2003 & 2004) • TU Berlin, Germany, 6 months (1990-91) • UC Davis, USA, 3 months (1995) • Agricultural Univ., Bruno, Czech, 1 month, 1996. • Stockholm Univ., Stockholm, 1 week, 1996. • ISAS Dortmund, Germany, 6 months (2003, 2004, 2005) • Univ. of Mainz, Germany, 1 month (2002) • Univ. of Pau, South France, 1 month (2002) • Pt. R. S. Univ., Raipur, 2 Years (1980-81)

6	Projects handled (3)	<ul style="list-style-type: none"> • Monitoring of arsenic and other ions in Kaudikasa, Rajnandgaon, CG, Rs 500000, Year, 2007. • Studies on aerosols and black carbons, DST, New Delhi, Rs 2500000, 2004 – 2007 • Studies on volatile organic compounds, ISRO, Bangalore, Rs 1700000, 2004 - 2007 																					
7	International Collaboration	<ul style="list-style-type: none"> • INSTM and Chemistry for Technologies, Laboratory, University of Brescia, Italy. • Karlsruhe University of Applied Sciences, Moltkestr.30, 76133 Karlsruhe, Germany. • Atmospheric Pollution Laboratory, Applied Physics Department, Miguel Hernandez University Avda de la Universidad S/N, 03202 Elche, Spain. • Department of Exact Sciences, E.N.S., Marien Ngouabi University, B.P 69 Brazzaville, Congo. 																					
8	No. of MPhil students supervised	08																					
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9	No. of PhD students supervised	25																					
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	2009	V. K. Jena	Studies on arsenic and heavy metal contaminations in central India
	2009	Saraj Sharma	Studies on VOCs distribution & sources
	2006	G. Agnihotri	Studies on surfactants pollution and their impacts
	2005	K. Shrivastava	Studies on arsenic pollution in environmental samples of Ambagarh Chouki
	2004	P. C. Sharma	Analytical studies on platinum group metals
	2002	A. Shukla	Development of new procedures for determination of pollutants
	2000	A. K. Kamavisdar	Analytical studies on heavy metal pollutants
	1999	R. M. Patel	Analytical studies of some water pollutants
	1999	C. K. Chandrawansh	Studies on chemistry of precipitation
	1999	S. G. Agrawal	Development of analytical procedures for determination of trace elements in soils
	1999	A. N. Tripath	Studies on trace elements in rain water
	1998	P. K. Pandey	Analytical studies of atmospheric deposition
	1997	S. K. Chandravanshi	Speciation of trace elements in environmental samples
	1997	S. Chiklekar	Analytical studies of micronutrient in soil
	1996	K. Sharma	Application of amides & its derivatives in trace element analysis
	1994	M. Sharma	Analytical studies of III-A & V-A group elements
	1993	N. Agrawal	Separation & determination of some trace metals
	1991	M. Das	Application of organic reagents in analysis of some transition metals
	1990	N. Mishra	Analytical chemistry of some trace elements
10	No. of MPhil students working		01
	V. Verma	Water quality of Pit Lakes	
11	No. of PhD students working		05
	Madhavi Rajak	Atmospheric deposition	
	Rakesh Dewangan	Ground water pollution in coal burning area	

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|----|--------------------------------------|---|---|
| | | Bharat Sahu | Arsenic and fluoride pollution in Amargarh Chouki |
| | | Reetu Sharma | Black carbon and heavy metal pollution in Kaoba city |
| | | N. Dahariya | Ground water pollution in Raipur area |
| 12 | Conference organized | International Conference on Arsenic Contamination in Tropics, Feb. 19 – 21, 2007 at Raipur, CG, India | |
| 13 | International conference attended | 30 | |
| 14 | Papers presented in conference, 2013 | | <ul style="list-style-type: none"> • Polychlorinated biphenyls contamination in pond sediment of central India, ICWRER 2013, Koblenz, Germany, K. S. Patel, Y. Nayak and Chin-Chang Hung • Groundwater pollution in central India, ICWRER 2013, Koblenz, Germany, K. S. Patel, B. L. Sahu, N.Singh¹, R. Dewangan and S. G. Agrawal |

15 Papers published

1. Composition and sources of organic tracers in aerosol particles of industrial central India, B. Giri., K. S. Patel., N. K. Jaiswal, S. Sharma., B. Ambade, W Wang, S. L. M. Simonich, B R. T. Simoneit, Atmospheric Research, 2013, 120-121, 312-324.
2. Arsenic concentration in soil, rice and straw in central India, K . S . Patel, A . Verma, N . K . Jaiswal, B . L . Sahu, K . Shrivasa, A . Raab, J . Feldmann, L . Borgese, A . Gianoncelli, E . Bontempi, M . Lautentand P . Bhattacharya, Understanding the Geological and Medical Interface of Arsenic - As 2012, Proceedings of the 4th International Congress on Arsenic in the Environment, 22-27 July 2012, Cairns, Australia, Edited by Jack C . Ng , Barry N . Noller , Ravi Naidu , Jochen Bundschuh and Prosun Bhattacharya, CRC Press 2012, Pages 508–509
3. Arsenic and other heavy metal contamination in central India, K . S . Patel, B . Ambade, N . K . Jaiswal, R . Sharma, R . K . Patel, B . Blazhev, M . Lautentand P . Bhattacharya, Understanding the Geological and Medical Interface of Arsenic - As 2012, Proceedings of the 4th International Congress on Arsenic in the Environment, 22-27 July 2012, Cairns, Australia, Edited by Jack C . Ng , Barry N . Noller , Ravi Naidu , Jochen Bundschuh and Prosun Bhattacharya, CRC Press 2012, Pages 38–39
4. Urban runoff water quality in central India, K. S. Patel, B. Ambade, E. Yubero, M. Lautent, *Proceedings, 7th EUREGEO Inter. Conf. 2012, Bologna, p. 459-460.*

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6. Groundwater quality of Rajnangaon city, K. S. Patel, R. Sharma, R. K. Patel, M. Lautent, *Proceedings, Workshop on Groundwater Pollution Around Industrial Clusters: Mitigation & Management, Raipur, 2011, p. 66-72.*
7. Source apportionment of arsenic and other elements in groundwater of Ambagarh Chouki, Raipur, *Proceedings, K. S. Patel, A. P. Bhatia, R. K. Patel, M. Lautent, Workshop on Groundwater Pollution Around Industrial Clusters: Mitigation & Management, Raipur, 2011, p. 86-94.*
8. Arsenic accumulation in common rice of central India, K . S . Patel, K . Shrivasa, A . Towari, A . Verma, R . Brandt, N . Jakubowski, W . Corns, B . Chen, A . Raab, J . Feldmann and B . Blazhev, *Arsenic in Geosphere and Human Diseases; Arsenic 2010, Proceedings of the Third International Congress on Arsenic in the Environment (As-2010) Edited by Jiin-Shuh Jean , Jochen Bundschuh and Prosun Bhattacharya,CRC Press 2010, Pages 570-571*
9. Arsenic exposure and skin lesions in central India, K.S. Patel, K. Shrivasa, A. Verma, R. Baghel, W. Corns, B. Chen, A. Raab, J. Feldmann & B. Blazhev, *Arsenic in Geosphere and Human Diseases; Arsenic 2010, Proceedings of the Third International Congress on Arsenic in the Environment (As-2010) Edited by Jiin-Shuh Jean , Jochen Bundschuh and Prosun Bhattacharya,CRC Press 2010, Pages 264-265*
10. Arsenic exposure in coal burning area of central India K.S. Patel, M. Garhewal, N.K. Jaiswal, R.K. Dewangan, W. Corns, B. Chen & B. Blazhev, *Arsenic in Geosphere and Human Diseases; Arsenic 2010, Proceedings of the Third International Congress on Arsenic in the Environment (As-2010) Edited by Jiin-Shuh Jean , Jochen Bundschuh and Prosun Bhattacharya,CRC Press 2010, Pages 156*
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- Technology, 2008, 33, ISSN 2070-3740
15. Flow injection analysis determination of platinum, K. S. Patel, N. K. Jaiswal, P. C. Sharma, P. Hoffmann, *Anal. Lett.*, 2006, 39, 197 – 205
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 20. Flow Injection Analysis Spectrophotometric Determination of Bismuth in Environmental and Pharmaceutical Samples, K. Agrawal, G. L. Mundhara, K. S. Patel, P. Hoffmann, *Anal. Lett.*, (2004) 37, 2163-74
 21. Determination of thiocyanate in waste water, A. Shukla, P. Agnihotri, K. S. Patel, P. Hoffmann, *Anal. Lett.* (2004) 37, 1991-2001.
 22. Simple and Selective Method for Determination of Platinum with Tin(II) Chloride and Amides, K. S. Patel, K. Shrivastava, P. C. Sharma, M. Pandey, Peter Hoffmann, *Anal. Lett.* (2004) 37, 1953-1963.
 23. On-site determination of arsenic in contaminated water
K. Shrivastava, K. S. Patel, *Anal. Lett.*, (2004) 37, 345–356
 24. Flow injection spectrophotometric determination of palladium with N-phenylbenzimidoylthiourea, K. Shrivastava, K. S. Patel, P. Hoffmann, *Anal. Lett.* (2004) 37, 503 – 512.
 25. Precipitation of heavy metals in central India, K. S. Patel, A. Shukla, A. N. Tripathi, P. Hoffmann, *Inter. J. Water, Air & Soil* (2001) 130, 463-468.
 26. A new spectrophotometric method for the determination of total and ferric iron in rain water at the ppb level, K. S. Patel, A. Shukla, A. Goswami, S. K. Chandravanshi, P. Hoffmann, *Fresenius J. Anal. Chem.* (2001) 369, 530-534.
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Analytical Letter, USA(2000)33,151-160
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 40. Chemistry of rain water in central India, C. K. Chandravanshi, K. S. Patel, Ido Jaras, *Hungary* (1999)103,189-213.
 41. Simple and specific method for Flow injection analysis determination of cationic surfactants in environmental and commodity samples, R. M. Patel, K. S. Patel, *Talanta, UK*, (1999)48,923-931.
 42. Fluoride deposition in central India
C. K. Chandravanshi, K. S. Patel, *Environ. Monit. Assess.*, Netherlands(1999)55, 251-265
 43. Flow injection analysis determination of anionic surfactants with dyes in water bodies of central India, R. M. Patel, K. S. Patel, *Analyst, UK* (1998)123, 1691-1695.
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G. Aggarwal, K. S. Patel, Mikrochim. Acta, (1998)129, 265 -69.
50. New method for flow injection analysis determination of iron with thiocyanate, A. K. Kamavisdar, K. S. Patel, Ind. J. Environ. & Health, India (1997)39, 308-314.
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54. Flow injection analysis determination of iron in rain water with thiocyanate and surfactant, A. N. Tripathi, S. Chikhalikar, K. S. Patel, J. Auto. Chem. (1997)19, 45 - 50.
55. Flow injection determination of iodide at nanogram level
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63. Determination and speciation of antimony in water, M. Sharma, K. S. Patel,

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M. Sharma, K. S. Patel, Ind. J. Environ. Health (1992) 34, 219-225.
 65. Determination of thallium in soil, K. S. Patel, N. Agrawal, Inter. J. Environ. Anal. Chem. (1992) 46, 63 -70.
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M. Das, K. S. Patel, Ann. di Chim, Rom (1991) 81, 169 - 178.
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Chakravorti, K. S. Patel, R. K. Mishra, Inter. J. Environ. Anal. Chem.(1991) 45, 229 – 231.
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A.Ghosh, K. S. Patel, R. K. Mishra, *Bull. Chem. Soc., Japan* (19989)62, 3675 - 78.
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