Bio - Data



SHAMSH PERVEZ

PROFESSOR OF CHEMISTRY

FULBRIGHT RESEARCH FELLOW-2010

HIGHLIGHTS OF BIO-DATA

- Elected President, Teacher's Association, Pt Ravishankar Shukla University, Raipur, C.G., India
- Entered in Academic services: Public Service Commission, MP & Direct Recruitment in University
- Academic & Research experience (years)
 Teaching 25, Research 27 & Ph.D./M.Phil. Supervision 16
- > 05 years Administrative Experience: Administrative Officer, University Institute of Technology
- ➤ Highest impact factor journal Publication (Main author) : 5.3
- Fulbright Environmental Leadership & Research Fellow 2010
- ► Highest outlay of personal research project (DST): 59.00 Lacs
- > Indian Collaborative Investigator: Three Research Project of NASA, USA, with total outlay: 3 Million US Dollars
- Organized visit of three American & One KFUPM Professors in the University.
- Five Research collaborations with Research Institutes of USA, KFUPM (KSA), China, Russia & India.
- Convener & organizing secretary of Five International conferences/symposium.
- Ten Foreign Visits with full sponsorship from organizers of USA, China & Asian Development Bank Manila. Air and Waste Management Association, USA; KFUPM, Dhahran, KSA

: Affiliation:

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² Desert Research Institute, Reno, NV, USA

SHAMSH PERVEZ

Professor & US Fulbright Research Fellow School of Studies in Chemistry Pt Ravishankar Shukla University, Raipur, CG, 492010

Mobile: 09425242455



Education

Ph.D. Chemical Sciences
M.Sc. Physical Chemistry
B.Sc. Physics, Chemistry, Mathematics
Pt Ravishankar Shukla University, Raipur

Research activities

Publications	90	h-Index	16	i-10 index	22	Citat	ion index	691	Conference presentations	30	Projects	11
Journal reviewer		16	Nev	Newspaper interviews			>1000	Member of Professional bodies			04	
PhD supervised		06	٨	MPhil supervised			09	Professional Environ. Consultancy			ultancy	05

Experience

Dr. Shamsh Pervez has over 20 years of experience in physical chemistry, atmospheric, air quality, and environmental health research and education. Dr. Pervez is also on the chemistry and environmental science faculties at the Pt Ravishankar Shukla University, Raipur, where he teaches post-graduate and M.Phil students working on advanced degrees in chemical and environmental studies. As leader of Air Quality Research laboratory, he leads more than 60 research studies 1) to characterize suspended atmospheric particles for source attribution and their effects on health; 2) to develop new methods for removal of toxic metal from contaminated water; 3) to measure contamination of emissions resulting from mineral based coal-fired industries in air, water streams and soils. Dr. Pervez is the principal author or co-author of nearly 60 peer-reviewed journal articles, reviewer of more than 10 peer-reviewed journals, more than 30 formal presentations at technical conferences and training sessions.

Professional Experience

2018 to Present

elected president university teaching department, Pt Ravishankar Shukla University, Raipur, Chhattisgarh, India.

2009 to Present

Professor, School of studies in chemistry, Pt Ravishankar Shukla University, Raipur, Chhattisgarh, India.

- 1. Teaching physical & Environmental chemistry in M.Sc. and M. Philosophy Level (Topics: Quantum chemistry, Spectroscopy, Mathematical Chemistry, Computers in Chemistry, Air pollution Monitoring & Assessment; Air Quality Modeling)
- 2. Formulation of syllabus of M.Sc. and M. Philosophy in Chemistry & Environmental Science levels
- 3. Research supervision in the field of: 1) Source apportionment of atmospheric pollutants using air quality models (UNMIX 6.0, PMF 3.0

& EV-CMB 8.2), 2) Environmental Pathways of Mercury, 3) Development of emission factors and emission budget of atmospheric carbonaceous matter; 4) Wastewater Treatment using novel adsorbents

US Fulbright Research Fellowship in Environmental Leadership Jan 2011-May 2011

- 1. Center: Desert Research Institute, Reno, NV, USA
- 2. Training on air quality receptor models from US Environmental Protection Agency (EV-CMB 8.2 and PMF 3.0). These are regulatory models in United States
- 3. Training on Arc-GIS for geographical mapping of air pollution zones in an urban area.
- 4. Training & hands on experience on advanced sophisticated analytical instruments: OC/EC analyzer, TD-GC-MS, ICP-MS, ED-XRF, AAS and air samplers.
- 5. Field training on study designing and sampling plan for air quality studies.
- 6. Invited Talk on "mercury pollution in urban areas" delivered in Reno and in Las Vegas via video conferencing

Associate Professor, School of studies in chemistry, Pt Ravishankar Shukla University, Raipur, Chhattisgarh, India..

2003 to 2006

Reader, School of studies in chemistry, Pt Ravishankar Shukla University, Raipur, Chhattisgarh, India.

2004 to 2009

Administrative Officer (Additional Charge), University Institute of **Technology**, Pt Ravishankar Shukla University, Raipur, Chhattisgarh, India

- 1. Creation and recruitment of faculty position and non-teaching/technical staff
- 2. Designing of all lab formats for all eight semesters according to Model curriculum of AICTE
- 3. Involved in adoption of new AICTE model curriculum in Engineering disciplines
- 4. Financial assignments including fee structure, staff salaries & budget of the institute
- 5. Designing of Institute building construction plan and arrangement of construction grant

1994 to 2003

Assistant Professor, Department of Higher Education, Government of Madhya Pradesh/Chhattisgarh (Directly recruited through Public Service Commission

1994 to 1994

Research Associate, Council of Scientific and Industrial Research (CSIR), at School of studies in chemistry, Pt Ravishankar Shukla University, Raipur, Chhattisgarh, India.

1992 to 1994

Senior Research Fellow, Council of Scientific and Industrial Research (CSIR), at School of studies in chemistry, Pt Ravishankar Shukla University, Raipur, Chhattisgarh, India.

2006 to 2009

Example of Certificates, Honors and Awards

Fulbright Research Fellow, US Fulbright Board, 2010. Research Associateship, CSIR, New Delhi, 1994

Professional capabilities in Organizing Conferences/seminar/symposia

Convener and organizing secretary of:

- 1. International Symposium on Novel Approaches to air quality management and improvement in India, In expert collaboration with Desert Research Institute, Reno, NV, USA, September 5-7, 2011
- 2. International symposium on environmental-analytical & Toxicological issues of speciation in atmospheric organic pollutants, In expert collaboration with Desert Research Institute, December 06-07, 2012

Secretary/member in local/international organizing/steering committee:

- 1. International conference on Atmospheric Optics: Aerosols, Visibility, and the Radiative Balance, A&WMA Visibility Specialty Conference, Snow King Hotel, Jackson Hole, WY, September 27-30, 2016
- 2. Convention of Chemists-2010;
- 3. International symposium on air quality India, September 5-7' 2011;
- 4. International symposium on organic pollutants, December 6-7' 2012
- 5. International conference on Arsenic in Environment, 2010

Project completed/on going

S.No.	Topic	Duration	Funding agency	Total	Remark
				outlay	
1.	Study of Physico-chemical	1999-2002	Ministry of	INR	completed
	Characterization of Respirable Dusts in	(02 yrs)	environment &	3,92,000	
	Selected Environments		forests, New Delhi		
	(Principal Investigator)				
2.	Spatial Variability and Impact Study of	2004-2007	Ministry of	INR	Completed
	Anthropogenic Mercury in Selected	(03 yrs)	environment &	10,00,000	
	Environments		forests, New Delhi		
	(Principal Investigator)				
3	Source Apportionment of Classified		Ministry of Science	INR	Completed
	Atmospheric Dust Fractions using	2011-2014	and Technology,	51,00,000/-	_
	Selected Receptor Models	(03 yrs)	New Delhi		
	(Principal Investigator)				
4.	Environmental Pathway and human	2013-2015	CGCOST,	INR 5.00	On going
	response studies on impact of water		Chhattisgarh	Lac	
	borne fluoride amongst inhabitants of				
	Korba, Chhattisgarh				
	(Co-Investigator)				

5.	A Novel Hyphenated Single Drop Micro Extraction - Diffuse and Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy (SDME-DRS/ATR-FTIR) Technique for Analysis of Multiatomic Metaloxy Anions	2013-2015	SERB-DST	INR 37.00 Lac	On going
	(Co-Investigator)				
6.	Evaluation of Biomass Burning Emissions to address sources of atmospheric Brown Carbon and associated impacts on regional climate	2017	SERB-DST	INR 55.00 Lac	On going
	Consultancy/collaborat	tive Resear	rch Projects		
1.	Consultancy/collaborate Assessing the Warming Amplification	2015-17	International Center	LIS\$ 38000	On-going
1.	•		Ç	US\$ 38000 (INR 26,60,000)	On-going

January 1,

2011 -

Dec 31,

August

August

12, 2014

13,2010 -

2014

NASA ROSES:

NASA EPSCoR

through Nevada

Education, NV,

USA

System of Higher

TEAM, USA

GLORY SCIENCE

US\$

(INR

US\$

)

482,989/-

3,23,60263

1,125,000

7,53,75000

INR

Completed

Completed

3.

4.

Characterization of Wavelength

Dependent Mineral Dust and Biomass

Burning Aerosol Single Scattering

Building Research and Educational

of Aerosols and their Radiative and

Agreement No. NNX10AR89A)

Capacity for Satellite Remote Sensing

Climate Change Impacts (Cooperative

Albedo for GLORY Retrieval of

Aerosol Parameters

5.	Characterization of Emissions	May	DRI EVPR , USA	US\$20,000	Completed
	Resulting from Religious and Ritual-	2011-	Research	INR	_
	Based Activities in India	April	Enhancement	13,40,000	
		2013	Program	15,10,000	

Research Collaborations

- 1. Desert Research Institute, Reno, NV, USA;
- 2. Department of Chemistry, King Fahad University of Petroleum & Minerals, Dhahran, KSA
- 3. Institute of Earth Environment, Chinese Academy of Sciences, Xi'An, China;
- 4. Indian Institute of Tropical Meteorology, New Delhi;
- 5. National Environmental Engineering Research Institute;
- 6. Moscow state university, Moscow, Russia

Workshop/ Training Attended

- 1. Low-cost methods for development of chemical instrumentation, Refresher course, CPBHE, New Delhi (UGC Sponsored), March 25-April 20, 1994.
- 2. Teaching Orientation Course, ASC, June 30- July 22' 1998, Lucknow University, India
- 3. Air pollution monitoring protocol and statistics involved by NEERI, Nagpur, India, 2000.
- 4. Source apportionment of air pollutants using CMB8 Model of EPA at NEERI, Bombay, India, 2004.
- 5. Training on chemical instrumentation: OC & EC Analyzer, Thermal Desorption GCMS, ED-XRF, January 15- May 14' 2011, Desert Research Institute, Reno, NV, USA.
- 6. Training on ArcGIS 10.0, January 15- May 14' 2011, Desert Research Institute, Reno, NV, USA.
- 7. PM2.5 Sampling and Analysis for Extinction Calculation, Whitefish, Montana, USA, September 2012.

International visits to accomplish research assignments

- 1. Expert meeting on international collaborative research program on atmospheric carbonaceous matter and associated climate change, Desert Research Institute, Reno, NV, USA, October 4-7, 2017, (Sponsorship from host institute, DST, India and Pt RS University).
- 2. Expert meeting to organize clean coal technology workshop, Department of Energy, Environment and Chemical Engineering, Washington University, St Louis, MO, USA, October 2-3, 2016 (Full sponsorship from host institute)
- 3. A&WMA's International Conference Atmospheric Optics: Aerosol, Visibility and Radiative Balance, Jackson Hole, Wyoming, USA, September 24-30, 2017, (Sposorship by organizers, DST, New Delhi and Pt RS University)
- 4. Research consultancy on development of Functionally imprinted effective adsorbents from petroleum heavy residue for the removal of water pollutants King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, April 09-19, 2016, (Full sponsorship from host institute).

- 5. Visibility Conference, Air & Waste Management, Whitefish, MT, USA, September 24-29' 2012 (Full Sponsorship by organizers).
- 6. Fulbright Fellowship, Desert Research Institute, Reno, NV, USA, January 15- May 14' 2011 (Full Sponsorship by organizers).
- 7. 9th International Conference on Mercury as a Global Pollutant, Guiyang, China, June 7th to June 12th, 2009 (Full Sponsorship by organizers);
- 8. Batter Air Quality Work shop (BAQ 2006), Clean Air Initiatives, Asian Development Bank, Yogyakarta, Indonesia, December 12-16' 2006 (Full Sponsorship by organizers).
- 9. 10TH International Conference on Indoor Air Quality & Climate (Indoor Air 2005) at Tsinghua University, Beijing, China during September 3-9' 2005 (Full Sponsorship by organizers).
- 10. CHEMINDIX 2013, Bahrain, November 2013(Partial sponsorship).

Invited talk and session chair in conferences/seminar/symposium

- 1. Recent findings to address issues of aerosols and air quality research associated to urban climate, National conference on Advances in Chemical and Environmental Sciences, (UGC-SAP-DRS-II), Pt Ravishankar Shukla University, Raipur, March 18, 2017.
- 2. Status of air quality in sub-tropical region of Indian Sub-continent, keynote address on expert meeting to organize clean coal technology workshop, Department of Energy, Environment and Chemical Engineering, Washington University, St Louis, MO, USA, October 2-3, 2016 (Full sponsorship from host institute)
- 3. Air pollution source apportionment using receptor models, All India conference (AICON-2009), (AICTE sponsored) Feb. 6-8' 2009, CSIT, Durg, India (Invited Talk).
- 4. Air pollution monitoring and modeling, All India conference (AICON-2010), (AICTE sponsored), January 22-24' 2010, CSIT, Durg, India (Invited Talk).
- 5. Source Signatures of House-Indoor Dust Fall in Urban-Industrial Area using PMF and CMB, Conference of Indian Council of Chemists-2011, December 27-30' 2011, Osmania University, Hyderabad, India, (Invited Talk).
- 6. Significant Contribution of Emissions from Asian Religious and Cultural Activities to Atmospheric Brown Clouds, Invited Talk in Aerosol and Atmospheric Optics: Visibility & Air Pollution Specialty Conference, Air & Waste Management Association (A&WMA), September 24-29, 2012, Whitefish, MT, USA, (Invited Talk).
- 7. Black Carbon Emissions in Developed and Developing Countries, Chairman of Session 3a. Aerosol and Atmospheric Optics: Visibility & Air Pollution Specialty Conference, Air & Waste Management Association (A&WMA), September 24-29, 2012, Whitefish, MT, USA, (Session Chair).
- 8. Novel Approaches to Air Quality Management and Improvement in India, Winter School Program, School of Studies in Life Science, December 14, 2013
- 9. Source Apportionment of Classified Atmospheric Dust Fractions: Study of Selected Receptor Models, Vth Meeting of Program Advisory Committee on Atmospheric Sciences (PAC-AS), Bhubaneswar, April 27-28, 2014
- 10. Air Pollution Status in Chhattisgarh: Sources, Health Effects and Control Measures, Summer School Program, School of Studies in Geology, June 19, 2014
- 11. Air Pollution Status in Chhattisgarh: current status and source apportionment, National Conference on Innovation and Advancement in Chemical Sciences and Technology, St Thomas College, Bhilai, India, February 10, 2015

- 12. Current updates of air quality monitoring and management, National Science Day-2015 Government D.T. College, Utai, Durg, India, March 03, 2015
- 13. Status of Particulate Matter in India: Objective Oriented Studies, Training Programme on "Monitoring of PM_{2.5} and other notified air pollutants as per revised NAAQS" CSIR-NEERI, Delhi, November 16-20, 2015
- 14. PM2.5 Chemical Source Profiles of Emissions Resulting from Industrial and Domestic Burning Activities in India, symposium on "Recent advancements in Atmospheric Chemistry Research" 34th Annual Conference, Indian Council of Chemists, 27th December, 2015
- 15. Evaluation of Biomass Burning Emissions to address Sources of Atmospheric Brown Carbon and Associated Impacts on Regional Climate and Health Risks, 1st PAC Meeting, Department of Science and Technology (DST), Ministry of Science and Technology, Government of India, Cotton college State University, Guwahati, Assam, November 24, 2015;
- 16. Recent findings to address Issues of Aerosols and Air quality research associated to urban climate, All India conference on clean and green technology (AICON' 16), April 22-23, 2016, Chhatrapati Shivaji Institute of Technology, Durg.

Member of academic & research bodies

- 1. Indian Aerosol Science & Technology Association
- 2. American Chemical Society,
- 3. Indian Science Congress Association
- 4. Indian Chemical Society
- 5. Chemical Research Society of India

Reviewer/ Referee, Research Journals

- 1. Public Health, Elsevier
- 2. Journal of Exposure Science and Environmental Epidemiology
- 3. Indian Journal of Radio and Space Physics, CSIR, India
- 4. Journal of Atmospheric Pollution Research (Elsevier)
- 5. Aerosol and Air Quality Research
- 6. Atmospheric Environment(Elsevier)
- 7. Science of Total Environment(Elsevier)
- 8. Environmental Science and Pollution Research
- 9. Chemosphere (Elsevier)
- 10. Ozone: Science & Engineering
- 11. Atmospheric Research (Elsevier)
- 12. Building & Environment (Elsevier)
- 13. Environmental Geochemistry and Health
- 14. Environmental Monitoring and Analysis
- 15. Journal of Molecular Liquids
- 16. Natural hazards(Elsevier)

Representative Publications

- Pervez S, Verma M, Tiwari S, Chakrabarty RK, Watson JG, Chow JC, Panicker AS, Deb MK, Siddiqui MN, Pervez YF. Household solid fuel burning emission characterization and activity levels in India. Science of The Total Environment. 2019 Mar 1; 654:493-504.
- Kurrey R, Mahilang M, Deb MK, Nirmalkar J, Shrivas K, Pervez S, Rai MK, Rai J. A direct DRS-FTIR probe for rapid detection and quantification of fluoroquinolone antibiotics in poultry egg-yolk. Food chemistry. 2019 Jan 1; 270:459-66.
- Balakrishna G, Pervez S. Liquid Organic Spent Solvents Co-processing in Cement Industries. International Journal of Alternative Fuels and Energy. 2018 Sep 15;2(2):16-20.
- Bano S, Pervez S, Chow JC, Matawle JL, Watson JG, Sahu RK, Srivastava A, Tiwari S, Pervez YF, Deb MK. Coarse particle (PM 10–2.5) source profiles for emissions from domestic cooking and industrial process in Central India. Science of the Total Environment. 2018 Jun 15;627:1137-45.
- Sahu RK, Pervez S, Chow JC, Watson JG, Tiwari S, Panicker AS, Chakrabarty RK, Pervez YF. Temporal and spatial variations of PM 2.5 organic and elemental carbon in Central India. Environmental geochemistry and health. 2018 Mar 30:1-8.
- Matawle JL, Pervez S, Deb MK, Shrivastava A, Tiwari S. PM 2.5 pollution from household solid fuel burning practices in Central India: 2. Application of receptor models for source apportionment. Environmental geochemistry and health. 2018 Feb 1;40(1):145-61.
- Verma M, Pervez S, Majumdar D, Chakrabarty R, Pervez YF. Emission estimation of aromatic and halogenated VOCs from household solid fuel burning practices. International Journal of Environmental Science and Technology. 2018:1-0.
- Pervez S, Bano S, Watson JG, Chow JC, Matawle JL, Shrivastava A, Tiwari S, Pervez YF. Source profiles for PM10-2.5 resuspended dust and vehicle exhaust emissions in central India. Aerosol and Air Quality Research. 2018;18:1660-72.
- Pandey A, Patel S, Pervez S, Tiwari S, Yadama G, Chow JC, Watson JG, Biswas P, Chakrabarty RK. Aerosol emissions factors from traditional biomass cookstoves in India: insights from field measurements. Atmospheric Chemistry and Physics. 2017 Nov 17;17(22):13721-9.
- Matawle JL, Pervez S, Shrivastava A, Tiwari S, Pant P, Deb MK, Bisht DS, Pervez YF. PM2. 5 pollution from household solid fuel burning practices in central India: 1. Impact on indoor air quality and associated health risks. Environmental geochemistry and health. 2017 Oct 1;39(5):1045-58.
- Princy Dugga, Shamsh Pervez, Rakesh Kumar Sahu, Madhuri Verma, Shahina Bano, Manas K Deb. Spatiotemporal Variation in Groundwater Quality of India during last 15 Years: A Review Journal of Ravishankar University 30, 1&2:41-50
- Sen BK, Tiwari S, Deb MK, Pervez S. Determination of Selenium by Single-Drop Microextraction and Diffuse Reflectance Infrared Spectroscopy. Analytical Letters. 2017 Jun 13;50(9):1483-96.
- Sameer Patel, Jiayu Li, Apoorva Pandey, Shamsh Pervez, Rajan K Chakrabarty, Pratim Biswas, 2017, Spatio-temporal measurement of indoor particulate matter concentrations using a wireless network of low-cost sensors in households using solid fuels, Environmental Research, 152: 59-65.
- PSP Rao, Suresh Tiwari, JL Matwale, S Pervez, Peter Tunved, PD Safai, AK Srivastava, DS Bisht, S Singh, PK Hopke, 2016, Sources of chemical species in rainwater during monsoon and

- non-monsoonal periods over two mega cities in India and dominant source region of secondary aerosols, Atmospheric Environment, 146:90-99.
- Apoorva Pandey, Shamsh Pervez, Rajan K Chakrabarty, 2016, Filter-based measurements of UV—vis mass absorption cross sections of organic carbon aerosol from residential biomass combustion: Preliminary findings and sources of uncertainty, 2016, Journal of Quantitative Spectroscopy and Radiative Transfer 182: 296-304.
- Shippi Dewangan, Shamsh Pervez, Rajan Chakrabarty, John G Watson, Judith C Chow, Yasmeen Pervez, Suresh Tiwari, Joyce Rai, 2016, Study of carbonaceous fractions associated with indoor PM 2.5/PM 10 during Asian cultural and ritual burning practices, Building and Environment, 106: 229-236.
- Bhupendra K Sen, Swapnil Tiwari, Manas K Deb, Shamsh Pervez, 2016, Determination of Selenium by Single–Drop Microextraction and Diffuse Reflectance Infrared Spectroscopy, Analytical Letters, DOI: 10.1080/00032719. 2016.1229786.
- Tajamul Hussain, Omar S Al-Attas, Salman A Alrokayan, Mukhtar Ahmed, Nasser M Al-Daghri, Salman Al-Ameri, Shamsh Pervez, Shippi Dewangan, Arif Mohammed, Dikshit Gambhir, Terrance S Sumague, 2016, Deleterious effects of incense smoke exposure on kidney function and architecture in male albino rats, Inhalation Toxicology, 28(8):364-373
- Shahina Bano, Shamsh Pervez, 2015. Source apportionment and health effect studies associated with indoor fine particulates during last decade in South Asia: A review. Journal of Ravishankar University Part-B (Science), Raipur, India (Paper accepted).
- James Mathew, Shamsh Pervez, 2015. Investigation of Dominating Routes of Personal Particulates among Welders in a Mixed Urban Industrial Environment, Journal of Ravishankar University Part-B (Science), 28 (2): 1-7
- Shamsh Pervez, Rajan K Chakrabarty, Shippi Dewangan, John G Watson, Judith C Chow, Jeevan Lal Matawle, 2015. Chemical speciation of aerosols and air quality degradation during the festival of lights (Diwali), Atmospheric Pollution Research (Elsevier), doi:10.1016/j.apr.2015.09.002
- Jeevan Lal Matawle, Shamsh Pervez, Shippi Dewangan, Anjali Shrivastava, Suresh Tiwari, Pallavi Pant, Manas Kanti Deb, Yasmeen Pervez, 2015. Characterization of PM2. 5 Source Profiles for Traffic and Dust Sources in Raipur, India, Aerosol and Air Quality Research, 15(7): 2537-2548.
- Bhupendra K Sen, Swapnil Tiwari, Manas Kanti Deb, Shamsh Pervez, 2015. Nanogram level quantification of molybdenum (vi) by novel hyphenated SDME/DRS-FTIR in human biological fluid, Analytical Methods, 7(22):9474-9481.
- G Balakrishna, Shamsh Pervez, Shippi Dewangan, Jeevan Matawale, Neha Dubey, 2015, Air Pollution, Sources and Effects on Health and Vegetation in Developing Countries-A Review, Journal of Energy and Environmental Engineering, 1(1): 1-7.
- S Tiwari, AS Pipal, Philip K Hopke, DS Bisht, AK Srivastava, Shani Tiwari, PN Saxena, AH Khan, S Pervez, 2015, Study of the carbonaceous aerosol and morphological analysis of fine particles along with their mixing state in Delhi, India: a case study, Environmental Science and Pollution Research, DOI 10.1007/s11356-015-4272-6.
- JeevanLal Matawle, Shamsh Pervez, Shippi Dewangan, Suresh Tiwari, Deewan Singh Bisht, Yasmeen F Pervez, 2014, PM2.5 Chemical Source Profiles of Emissions Resulting from Industrial and Domestic Burning Activities in India, Aerosol and Air Quality Research, doi: 10.4209/aaqr.2014.03.0048.

- Shamsh Pervez, Rajan Chakrabarty, Shippi Dewangan, John G. Watson, Judith C. Chow, Jeevan Lal Matawle, Yasmeen Pervez, 2014. Cultural and Ritual Burning Emission Factors and Activity Levels in India, Aerosol and Air Quality Research, doi: 10.4209/aaqr.2014.01.0022.
- S Pervez, S Dewangan, R Chakrabarty, B Zielinska, 2014. Indoor VOCs from Religious and Ritual Burning Practices in India, Aerosol and Air Quality Research 14, 1418-1430.
- S Dewangan, S Pervez, R Chakrabarty, B Zielinska, 2014. Uncharted sources of particle bound polycyclic aromatic hydrocarbons from South Asia: Religious/ritual burning practices, Atmospheric Pollution Research, 5(2).
- RK Chakrabarty, S Pervez, JC Chow, JG Watson, S Dewangan, J Robles, ...2013. Funeral pyres in South Asia: Brown carbon aerosol emissions and climate impacts, Environmental Science & Technology Letters 1 (1), 44-48.
- S Tiwari, S Pervez, P Cinzia, DS Bisht, A Kumar, 2013. Chemical characterization of atmospheric particulate matter in Delhi, India, Part II: Source apportionment studies using PMF 3.0, Sustainable Environment Research 23 (5).
- S Dewangan, S; Chakrabarty, R; B Zielinska, S Pervez, 2013. Emission of volatile organic compounds from religious and ritual activities in India, Environmental monitoring and assessment, 185 (11), 9279-9286.
- Balakrishna Gurugubelli, Shamsh Pervez, Suresh Tiwari, 2013, Characterization and Spatiotemporal Variation of Urban Ambient Dust Fallout in Central India, Aerosol and Air Quality Research 13, 83-96.
- S Pervez, N Dubey, JG Watson, J Chow, Y Pervez, 2012. Impact of Different Household Fuel Use on Source Apportionment Results of House-Indoor RPM in Central India, Aerosol and Air Quality Resarch 12 (1), 49-60.
- J Mathew, S Pervez, G Balakrishna, A Subramanyam, 2012. Investigation of dominating routes of personal particulates among workers of battery recycling workshops in a mixed urban industrial environment, Global Advanced Research Journal of Environmental Science and Toxicology, 1(3), 023-037,
- Balakrishna, G. and Pervez, S. 2011. Soil as a Source Contributor in Mineral Dust Fallout at Urban Industrial Residential Area, Iranian J. Earth Sciences, 3(1): 80-88.
- G Balakrishna, S Pervez, DS Bisht, 2011. Source apportionment of arsenic in atmospheric dust fall out in an urban residential area, Raipur, Central India, Atmospheric Chemistry and Physics 11 (11), 5141-5151.
- Pervez S., Koshle A., and Pervez Y. 2010. Study of spatiotemporal variation of atmospheric mercury and its human exposure around an integrated steel plant, India. Atmospheric Chemistry and Physics Discussion, 10: 5535-5549.
- Pervez S., Balakrishna G. and Tiwari S. 2009. Source apportionment of mercury in dust fallout at urban residential area of central India. Atmospheric Chemistry and Physics Discussion, 9: 21915-21940.
- Balakrishna G and Pervez S.2009. Source apportionment of atmospheric dust fallout in an urban-industrial environment in India, Aerosol and Air Quality Research, 9: 359-367.
- Koshle A, Pervez, YF, Pervez S. 2009. Spatial and temporal variation of mercury-load in surface water and sediments around an integrated steel plant in India, The Environmentalists, 29(4):421-430.

- Koshle A.;Pervez Y.F.; Tiwari R P and Pervez S. 2008. Environmental pathways and distribution pattern of total mercury among soils and groundwater matrices around an integrated steel plant in India, Journal of Scientific and Industrial Research, CSIR, 67: 523-530.
- Dubey N. and Pervez S. 2008. Investigation of variation in ambient PM10 levels within an urban-industrial environment, Aerosol and Air Quality Research, 8(1), 54-64.
- Gadkari, N. and Pervez, S. 2008. Source apportionment of personal exposure of fine particulates among school communities in India, Environmental Monitoring and Assessment, 142:227-241.
- Gadkari, N. and Pervez, S. 2007. Source investigation of personal particulates in relation to identify major routes of exposure among urban residential. Atmospheric Environment, 41, 7951-7963.
- Pervez S.; Methew J. and Sharma RK, 2005. Investigation of personal-indoor-outdoor particulate relationships in welding workshops. Journal of Scientific and Industrial Research, 64: 454-458.
- Sharma R K and Pervez S. 2005. Toxic Metals Status in Human Blood and Breast Milk Samples in an Integrated Steel Plant Environment in Central India, Environmental Geochemistry and Health, 27(1):39-45.
- Sharma R K, Pervez Y and Pervez S. 2005. Seasonal evaluation and spatial variability of suspended particulate matter in the vicinity of a large coal-fired power station a case study, Environmental Monitoring and Assessment, 102 (1-3): 1-13.
- Sharma R K and Pervez S, 2004. Study of dental fluorosis in subjects related to a phosphatic fertilizer plant environment in Chhattisgarh State, Journal of Scientific & Industrial Research, 63 (12):985-988.
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