

# Bio - Data



**SHAMSH PERVEZ**

**PROFESSOR OF CHEMISTRY**

FULBRIGHT RESEARCH FELLOW-2010

## HIGHLIGHTS OF BIO-DATA

- ▶ Entered in Academic services: Public Service Commission, MP & Direct Recruitment in University.
- ▶ Academic & Research experience (**Air Quality Monitoring and Management**) (years)  
Teaching - **21** , Research - **22** & Ph.D. Supervision - **05**
- ▶ 05 years Administrative Experience **of University Institute of Technology**
- ▶ Highest impact factor journal Publication (Main author) : **5.6**
- ▶ Fulbright Environmental Leadership & Research Fellow - 2010
- ▶ Highest outlay of personal research project(**Indoor Air Quality Receptor Modeling**) (DST): **INR 51.01** Lacs
- ▶ Indian Collaborative Investigator: Three Research Project of NASA, USA (**Outlay- 1.62 million US Dollar**).
- ▶ Organized visit of three American Professors in the **Pt Ravishankar Shukla** University.
- ▶ Five Research collaborations with Research Institutes of USA, China, Russia & India.
- ▶ Convener & organizing secretary of Three International conferences/symposium.
- ▶ Six Foreign Visits with full sponsorship from organizers of USA, China & Asian Development Bank Manila.  
**Invited Talk, Visibility Conf, USA, Council of Chemists, Hyderabad, AICON 2012, 2013, 2014;**  
**Member, Intl Steering Committee, Visibility Conf 2016, USA**

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**: Affiliation :**

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## Referees

### **Dr. Anjali Srivastava**

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National Environmental Engineering Research  
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### **Prof. Khwaja Salahuddin Siddiqi**

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### **Prof. John Watson**

Research Professor & USEPA expert  
Division of Atmospheric Sciences  
Desert Research Institute  
Reno, NV, USA, 89512  
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### **Prof Judith C. Chow**

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Division of Atmospheric Sciences  
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### **Prof. Olga Popovicheva**

Department of Microelectronics  
Institute of Nuclear Physics  
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Institute of Earth Environment  
XI'An, China  
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### **Prof. William R. Stockwell**

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### **Prof. Philip K. Hopke**

Bayard D. Clarkson Distinguished Professor,  
Director, Center for Air Resources Engineering  
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# Resume

Name : **SHAMSH PERVEZ** Father's Name : FURQAN AHMAD  
Post held : PROFESSOR OF CHEMISTRY Mother's Name : HAJRA BEGUM  
Date of current Position : October 01' 2009 Date of birth : AUGUST 04' 1968  
Postal Address : 767, MIG-I, Hudco, Bhilai Nagar, Durg CG, 490009  
Phone : +91-788-2280786; +91-9425242455  
Email Address : shamshpervez@gmail.com, shamshp@yahoo.co.in

Publications - 55

h-Index - 10

i-10 index - 11

Citation index - 308

Conference Presentations - 30

Projects - 08

Member of Professional bodies - 04

Journal Reviewer - 15

Organize Conference/Symposium - 04

PhD Supervised - 05

Mphil Supervised - 08

Newspaper Interviews - >500

Professional Environ. Consultancy - 01

## Entered in Academic services through

- Public Service Commission, MP in 1994 as Assistant Professor in Higher Education, MP/CG, Direct Recruitment in the post of Reader in Pt. Ravishankar Shukla University.

## Fulbright Environmental Leader Fellowship-2010

- Worked in Desert Research Institute, Reno, NV, USA from January 15' 2011 to May 14' 2011
- Adjunct professor, Desert Research Institute, Reno, NV, USA
- Four Months training on air quality receptor models from US Environmental Protection Agency (EV-CMB 8.2 and PMF 3.0). These are regulator Air Quality Models
- One month training on Arc-GIS for geographical mapping of air pollution zones in an urban area.
- Four month rigorous training & hands on experience on advanced sophisticated analytical QQ instruments: OC/EC analyzer, TD-GC-MS, ICP-MS, ED-XRF, AAS and air samplers.
- Field training on study designing and sampling plan for air quality studies.
- Invited Talk on "mercury pollution in urban areas" delivered in Reno and in Las Vegas via video conferencing.

## Academic & Research experience (years)

- M.Sc.-21 , Research - 22 and Ph.D. Supervision -06

## 05 years Administrative Experience

### Administrative Officer, University Institute of Technology (New GEC)

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

### University Vehicle Incharge, Pt. Ravishankar Shukla University

1. Establishment of drivers and maintenance staff
2. Procurement and Maintenance of university vehicles
3. Transport management of university examination

## Highest impact factor journal Publication (Main author): 5.6

1. Out of 55 publication; two research papers have been published in Atmospheric Chemistry and Physics (IF:5.3)
2. One research paper is published in Environmental Science and Technology Letters (ACS)

## Highest outlay of personal research project (DST): 51.01 Lacs

1. DST project No. SR/S4/AS-61/2010; Title "Source apportionment of classified atmospheric dust fractions: Study of selected receptor models"
2. Collaboration with National Environmental Engineering Research Institute (NEERI), Mumbai and Indian Institute of Tropical Meteorology (IITM), Zonal Lab, New Delhi
3. Earlier two research projects completed:
  - (1) MoEF project entitled, "Study of physico-chemical characteristics of respirable dusts"; total outlay: 03 lac 92 thousand; 1999-2002
  - (2) MoEF Project entitled, " Spatial variability and impact study of anthropogenic mercury in the vicinities of selected coal-fired industries; total outlay: 10.1 lac, 2004-2007.

## Indian PI; Three Research Project of NASA, USA

(EPSCoR ; CANo. NNX10AR89A, NASA ROSE, NNX11AB79G; Department of Energy DE-SC0008871)

1. Title: Characterization of Wavelength Dependent Mineral Dust and Biomass Burning Aerosol Single Scattering Albedo for GLORY Retrieval of Aerosol Parameters  
Duration: January 1, 2011 – Dec 31, 2014  
Sponsor: NASA ROSES: GLORY SCIENCE TEAM  
Funding: \$ 482,989
2. Title: Building Research and Educational Capacity for Satellite Remote Sensing of Aerosols and their Radiative and Climate Change Impacts (Cooperative Agreement No. NNX10AR89A)  
Duration: August 13, 2010 – August 12, 2014  
Sponsor: NASA EPSCoR through Nevada System of Higher Education  
Funding: \$ 1,125,000
3. Title: Characterization of Emissions Resulting from Religious and Ritual-Based Activities in India  
Duration: May 1, 2011 – April 30, 2013  
Sponsor: DRI EVPR Research Enhancement Program  
Funding: \$ 20,000

## Organized visit of three American Professors in the University

1. Prof John G. Watson, Professor and USEPA expert, Division of Atmospheric Sciences, Desert Research Institute, Reno, NV, USA
2. Prof. Judith C. Chow , Division Director, Professor and USEPA expert, Division of Atmospheric Sciences, Desert Research Institute, Reno, NV, USA &
3. Prof Barbara Zielinska, Professor and USEPA expert, Division of Atmospheric Sciences, Desert Research Institute, Reno, NV, USA

## Five Research collaborations made

- (1) Desert Research Institute, Reno, NV, USA;
- (2) Institute of Earth Environment, Chinese Academy of Sciences, Xi'An, China;
- (3) Indian Institute of Tropical Meteorology, New Delhi;
- (4) National Environmental Engineering Research Institute;
- (5) Moscow state university, Moscow, Russia

## Event organizing Capability: Convener & organizing secretary (04)

- (1) Convention of Chemists-2010, Joint Secretary;
- (2) International symposium on air quality India, September 5-7' 2011 (Convener & Secretary);
- (3) International symposium on organic pollutants, December 6-7' 2012 (Convener & Secretary)
- (4) International conference on Arsenic in Environment, 2010, Member, Organizing committee)
- (5) Two Chhattisgarh Young Scientist Congress, Member, Organizing Committee**

## Six Foreign Visits with full sponsorship from organizers

- (1) Air & Waste Management Assoc., Whitefish, MT, USA, 2012;
- (2) Desert Research Inst. Reno, NV, USA, 2011;
- (3) Chinese Academy of Sciences, Guiyang China, 2009;
- (4) CIA, Asia, Better Air Quality, Yogyakarta, Indonesia, 2006
- (5) Indoor Air Quality-2005, Beijing, China
- (6) CHEMINDIX-2013, Manama, Bahrain**

# Curriculum Vitae

## Date of Birth:

August 04' 1968

## Education:

- 1984–1992
- M.Sc.(Post-graduate), Pt RS University, Raipur, 1989, Chemistry (Physical Chemistry)
- Ph.D., Pt RS University, Raipur, 1992 Topic: Study of Geo-Environmental Impacts of some Industrial Wastes.

## Experience:

School of Studies in Chemistry, Pt. R. S. University, Raipur, India

## 2009 onwards:

### Professor:

- 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)
- Formulation of syllabus of M.Sc. and M. Philosophy in Chemistry & Environmental Science levels
- 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, fate and bio-accumulation of Mercury
  3. Development of emission factors and emission budget of atmospheric carbonaceous matter.
  4. Research Collaboration with:
    - 1) Prof John Watson, Desert Research Institute, Reno, NV, USA
    - 2) Prof Judith Chow, Desert Research Institute, Reno, NV, USA
    - 3) Prof Barbara Zeilinski, Desert Research Institute, Reno, NV, USA
    - 4) Prof. Junji Cao, Institute of Earth Environment, Chinese Academy of Sciences, Xi'an, China

- 5) Dr. Rajan Chakrabarty, Desert Research Institute, Reno, NV, USA
- 6) Prof Olga, Institute of Nuclear Physics, Moscow University, Russia.
- 7) Dr. Anjali Srivastava, Chief Scientist, National Environmental Engineering Research Institute (NEERI), Mumbai, India.
- 8) Dr. Suresh Tiwari, Scientist, Indian Institute of Tropical Meteorology, New Delhi.

**2003-2009:**

### **Associate Professor**

- Directly recruited in Government University
- Teaching physical chemistry in M.Sc. and M. Philosophy Level (Topics: Quantum chemistry, Spectroscopy, Mathematical Chemistry, Computers in Chemistry)
- Formulation of syllabus of M.Sc. and M. Philosophy in Chemistry levels
- Research supervision in the field of source apportionment of atmospheric particulate matter using air quality models
- Various other allotted university tasks including inspection of new college's establishments and yearly academic inspection.

### **Administrative Officer (Additional Charge) (2004-2009)**

#### **University Institute of Technology, Pt. R.S. University, India**

- Appointed in September' 2004.
- Creation of faculty and staff positions as per government norms
- Formulation and management of model curriculum of engineering
- Financial management and budget preparation
- Faculty and staff establishment
- Plan of building construction for engineering academics and experimental labs
- Establishment of various engineering labs (Mechanical, electrical, computer science and electronics etc.)
- Administrative and disciplinary decisions.
- Other policy matters related to institute.

### **University Vehicle Incharge (Additional charge) (2005-2010)**

- Establishment of drivers and maintenance staff
- Vehicles management & maintenance
- Transport management in university examinations



## 1994-2003

Dept of chemistry, Govt. PG college, Durg, India

### Assistant Professor

- Directly recruited through Public Service Commission, State Government of MP, India
- Teaching physical chemistry in B.Sc. and M.Sc. level
- Research supervision of Ph.D. program in air pollution monitoring and characterization of ambient particulate matter, human exposure assessment and dose response.

## 1993–1994

### Research Associate

- Post-doctoral research in “Assessment of rain water characteristics and impact on marble monuments around coal-fired industries”. 1994, CSIR, New Delhi, India.

### Senior Research Fellow

- Post-doctoral research in “Mercury spillage around coal-fired power plants” 1992–93, CSIR, New Delhi.

### Ph.D. Supervision

Ph.D. awarded: (05), Student registered: (02), Students joined as JRF/Project Fellow (03), Univ. Fellow (01)

### M.Phil Supervision

Awarded: 08

### Journal Reviewer/referee

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
5. Aerosol & Air quality Research
6. **Ozone: Science and Engineering**
7. **Atmospheric Environment, Elsevier**
8. **International Journal of Environmental Analytical Chemistry**
9. **Natural Hazards**
10. **Building and Environment, Elsevier**
11. **Atmospheric Research**

## Projects Completed / Ongoing

| S.No. | Topic   | Duration                          | Funding agency   | Total outlay     | Remark           |
|-------|---|-----------------------------------|--|------------------|------------------|
| 1.    | Study of Physico-chemical Characterization of Respirable Dusts in Selected Environments   | 1999-2002 (02 yrs)                | Ministry of environment & forests, New Delhi                   | INR 3,92,000     | completed        |
| 2.    | Spatial Variability and Impact Study of Anthropogenic Mercury in Selected Environments  | 2004-2007 (03 yrs)                | Ministry of environment & forests, New Delhi                   | INR 10,00,000    | Completed        |
| 3.    | Characterization of Emissions Resulting from Religious and Ritual Based Activities in India   | May 2011- April 2013              | DRI EVPR Research Enhancement Program                          | \$20,000         | <b>Completed</b> |
| 4     | Source Apportionment of Classified Atmospheric Dust Fractions using Selected Receptor Models  | 2011-2014 (03 yrs)                | Ministry of Science and Technology, New Delhi                  | INR 51,00,000=00 | Completed        |
| 5.    | Characterization of Wavelength Dependent Mineral Dust and Biomass Burning Aerosol Single Scattering Albedo for GLORY Retrieval of Aerosol Parameters                      | January 1, 2011 – Dec 31, 2014    | NASA ROSES: GLORY SCIENCE TEAM, USA                            | \$ 482,989       | Completed        |
| 6.    | Building Research and Educational Capacity for Satellite Remote Sensing of Aerosols and their Radiative and Climate Change Impacts (Cooperative Agreement No. NNX10AR89A) | August 13, 2010 – August 12, 2014 | NASA EPSCoR through Nevada System of Higher Education, NV, USA | \$ 1,125,000     | Completed        |

**7. Environmental pathway and human response studies on impact of water borne fluoride amongst inhabitants of Korba, Chhattisgarh, CGCOST, Raipur, Total outlay- 500,000/-, Duration-2 years (2014-2016), Status- Ongoing**

**8. 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, DST-SERB, Total Outlay-33 Lac, Duration- 3 years, Status- Ongoing**

## Workshops / 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.

## Foreign Visits

1. Visibility Conference, Air & Waste Management, Whitefish, MT, USA, September 24-29' 2012 (Full Sponsorship by organizers).
2. Fulbright Fellowship, Desert Research Institute, Reno, NV, USA, January 15- May 14' 2011 (Full Sponsorship by organizers).
3. 9th International Conference on Mercury as a Global Pollutant, Guiyang, China, June 7th to June 12th' 2009 (Full Sponsorship by organizers).
4. Better Air Quality Work shop (BAQ 2006), Clean Air Initiatives, Asian Development Bank, Yogyakarta, Indonesia, December 12-16' 2006 (Full Sponsorship by organizers).
5. 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).
6. **9th International Conference and Exhibition on Chemistry in Industry (CHEMINDIX-2013), November 2-6' 2013, Gulf Hotel, Kingdom of Bahrain**

## Invited Talk/ Session Chair

1. Air pollution source apportionment using receptor models, All India conference (AICON-2009), (AICTE sponsored) Feb. 6-8' 2009, CSIT, Durg, India (Invited Talk).
2. Air pollution monitoring and modeling, All India conference (AICON-2010), (AICTE sponsored), January 22-24' 2010, CSIT, Durg, India (Invited Talk).
3. 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).
4. 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).
5. 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).
6. **PAHs emissions from ritual burning practices in India, 9th International conference on Chemistry in Industry (CHEMINDIX-2013), Nov 2-6' 2013, Gulf Hotel, Kingdom of Bahrain (Invited Talk)**

## 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**

## Community Services & Other University Assignments

- Advisor, Chhattisgarh Social Forum (NGO), Program: Environmental Awareness campaign among urban citizens about municipal and domestic waste management. Successfully running without any external support.
- Life member, All India Muslim Educational Society.
- Member, College inspection committee
- Temporary Incharge, Dean Student welfare
- Member, Convocation organizing committee 2004-2013
- Invited member, Formulation committee of Institute Natural resource utilization (CSIR)
- **Incharge, Student Union, Pt Ravishankar Shukla University**
- **Member, Special Assistance Program Committee, SoS in Chemistry, Pt RSU**
- **Member, Faculty Selection Committees, Pt R.S. University, Raipur**
- **Examiner/expert, State Public Service Commissions**
- **Member, Grievance Cell, Pt Ravishankar Shukla University, Raipur**
- **Member, Departmental Research Committee, SoS in Chemistry, Pt R.S. University, Raipur**

# D R . S H A M S H P E R V E Z

Professor, School of Studies in Chemistry, Pt. Ravishankar Shukla  
University, Raipur 492 010 Chhattisgarh, INDIA.

Phone +91-788-2328209; E-Mail [shamshp@yahoo.co.in](mailto:shamshp@yahoo.co.in), [shamshpervez@gmail.com](mailto:shamshpervez@gmail.com)

| S.No. | List of Publications  | Impact Factor |
|-------|---|---------------|
| 1.    | 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.   | 1.1           |
| 2.    | 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. | 3.5           |
| 3.    | 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.   | 2.87          |
| 4.    | 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.   | 2.87          |
| 5.    | 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.   | 2.87          |
| 6.    | 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).   | 1.5           |

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| 7.  | 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, <i>Environmental Science &amp; Technology Letters</i> 1 (1), 44-48.  | 5.5  |
| 8.  | 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, <i>Sustainable Environment Research</i> 23 (5).   | 1.2  |
| 9.  | S Dewangan, S; Chakrabarty, R; B Zielinska, S Pervez, 2013. Emission of volatile organic compounds from religious and ritual activities in India, <i>Environmental monitoring and assessment</i> , 185 (11), 9279-9286.  | 1.5  |
| 10. | Balakrishna Gurugubelli, Shams Pervez, Suresh Tiwari, 2013, Characterization and Spatiotemporal Variation of Urban Ambient Dust Fallout in Central India, <i>Aerosol and Air Quality Research</i> 13, 83-96.   | 2.87 |
| 11. | 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, <i>Aerosol and Air Quality Research</i> 12 (1), 49-60.  | 2.87 |
| 12. | 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, <i>Global Advanced Research Journal of Environmental Science and Toxicology</i> , 1(3), 023-037, | 1.1  |
| 13. | Balakrishna, G. and Pervez, S. 2011. Soil as a Source Contributor in Mineral Dust Fallout at Urban Industrial Residential Area, <i>Iranian J. Earth Sciences</i> , 3(1): 80-88.  | 1.1  |
| 14. | G Balakrishna, S Pervez, DS Bisht, 2011. Source apportionment of arsenic in atmospheric dust fall out in an urban residential area, Raipur, Central India, <i>Atmospheric Chemistry and Physics</i> 11 (11), 5141-5151.  | 5.6  |

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| 15. | 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. <i>Atmospheric Chemistry and Physics</i> , 10: 5535-5549.   | 5.6  |
| 16. | Pervez S., Balakrishna G. and Tiwari S. 2009. Source apportionment of mercury in dust fallout at urban residential area of central India. <i>Atmospheric Chemistry and Physics Discussion</i> , 9: 21915-21940.  | 1.5  |
| 17. | Balakrishna G and Pervez S.2009. Source apportionment of atmospheric dust fallout in an urban-industrial environment in India, <i>Aerosol and Air Quality Research</i> , 9: 359-367.   | 2.87 |
| 18. | 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, <i>The Environmentalists</i> , 29(4):421-430.   | 1.1  |
| 19. | 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, <i>Journal of Scientific and Industrial Research</i> , CSIR, 67: 523-530. | 0.8  |
| 20. | Dubey N. and Pervez S. 2008. Investigation of variation in ambient PM10 levels within an urban-industrial environment, <i>Aerosol and Air Quality Research</i> , 8(1), 54-64.  | 2.87 |
| 21. | Gadkari, N. and Pervez, S. 2008. Source apportionment of personal exposure of fine particulates among school communities in India, <i>Environmental Monitoring and Assessment</i> , 142:227-241.   | 1.5  |
| 22. | Gadkari, N. and Pervez, S. 2007. Source investigation of personal particulates in relation to identify major routes of exposure among urban residential. <i>Atmospheric Environment</i> , 41, 7951-7963.   | 3.5  |
| 23. | Pervez S.; Methew J. and Sharma RK, 2005. Investigation of personal-indoor-outdoor particulate relationships in welding workshops. <i>Journal of Scientific and Industrial Research</i> , 64: 454-458.   | 0.8  |

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| 24. | 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, <i>Environmental Geochemistry and Health</i> , 27(1):39-45.  | 1.4 |
| 25. | 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, <i>Environmental Monitoring and Assessment</i> , 102 (1-3): 1-13.                            | 1.5 |
| 26. | Sharma R K and Pervez S, 2004. Study of dental fluorosis in subjects related to a phosphatic fertilizer plant environment in Chhattisgarh State, <i>Journal of Scientific &amp; Industrial Research</i> , 63 (12):985-988.  | 0.8 |
| 27. | Sharma R K and Pervez S, 2004. A case study of spatial variation and enrichment of selected elements in ambient particulate matter around a large coal-fired power station in central India, <i>Environmental Geochemistry and Health</i> , 26 (3-4): 373-381.                        | 1.4 |
| 28. | Sharma R K and Pervez S, 2004. Characterization and enrichment study of selected toxic elements in ambient particulate matter around a phosphatic fertilizer plant- a case study, <i>Journal of Scientific &amp; Industrial Research, CSIR</i> , 63 (11) 949-956.                     | 0.8 |
| 29. | Sharma R K and Pervez S, 2004. Study of spatial variation and enrichment of selected elements in ambient particulate around an integrated steel plant in central India, <i>Indian Journal of Environmental Protection</i> , 24 (6) 442-452.   | 0.6 |
| 30. | Sharma R K and Pervez S, 2004. Respiratory tract contamination with selected toxic elements in a slag based cement plant environment in Central India- A need of global concern, <i>Journal of Scientific &amp; Industrial Research, CSIR</i> , 63 (5) 462-465.                       | 0.8 |
| 31. | Sharma R K and Pervez S, 2004. Chemical characterization and enrichment of selected toxic elements in ambient particulate matter around a slag based cement plant in Chhattisgarh state- a case study, <i>Journal of Scientific &amp; Industrial Research, CSIR</i> , 63 (4) 376-382. | 0.8 |



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| 32. | Sharma R K and Pervez S, 2003. Spatial variability and seasonal evaluation of ambient particulate matter around an alumina plant: a need of global concern, Indian J. of Environmental Protection, 23 (8) 921-928.                   | 0.6  |
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2. Pervez, S., Chakrabarty, R.K., Dewangan, S. and Pervez, Y.F. 2012. 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.
3. Status and Eco-routes of mercury in human bio-accumulation around integrated steel plant. **2009**. 9<sup>th</sup> International Conference on Mercury as a Global Pollutant, Guiyang, China, June 7<sup>th</sup> to June 12<sup>th</sup>, 2009.
4. Study of spatial and temporal variation of atmospheric mercury and its human exposure around an integrated steel plant in India. **2009**. 9<sup>th</sup> International Conference on Mercury as a Global Pollutant, Guiyang, China, June 7<sup>th</sup> to June 12<sup>th</sup>, 2009.
5. Source apportionment of mercury in urban dust fallout of central India. **2009**. 9<sup>th</sup> International Conference on Mercury as a Global Pollutant, Guiyang, China, June 7<sup>th</sup> to June 12<sup>th</sup>, 2009.
6. Source apportionment of marker species of coal-fired industries in dust fallout of urban residential area, Raipur; **2009**, 96<sup>TH</sup> Indian Science Congress, Shillong, January 3<sup>RD</sup> to January 07<sup>TH</sup>.
7. Investigation of variation in ambient particulate levels within an urban industrial environments; **2007**, 94<sup>TH</sup> Indian Science Congress, Annamalai University, India, January 3-7'.

8. Source apportionment of personal exposure of fine particulates among school community in India, **2006**. Batter Air Quality Work shop (BAQ 2006), Clean Air Initiatives, Asian Development Bank, Yogyakarta, Indonesia, December 12-16'.
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11. Investigation of exposure-uptake relationships of fine particulate toxic-load among inhabitants of steel plant environment in central India, **2005**. Paper presented in 10<sup>TH</sup> International Conference On Indoor Air Quality And Climate (Indoor Air 2005) at Tsinghua University, Beijing, China during September 3-9'.
12. Ambient particulate matter studies in the vicinity of an alumina smelter plant, (IASTA-**2002**), Vikram Sarabhai Space Center, Thiruvananthapuram, Sept. 18-20'.
13. Status of ambient particulate at Korba, National symposium on water, air and soil pollution **2002**, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, April 13-14'.
14. Enrichment and exposure of particulate lead in a traffic environment in India, National seminar on Chemistry of Environmental pollution with special emphasis on water resources; **2001**, Govt. Digvijay P.G. College, Rajnandgaon, Chhattisgarh, Oct.6-7'.
15. Seasonal variation in ambient PM<sub>10</sub> and SPM levels around a phosphatic fertilizer plant, **2001**. 38<sup>th</sup> annual convention of Chemists-2001, Jai Narayan Vyas University Jodhpur, Rajsthan, Dec.26-29'.
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**TOTAL PUBLISHED PAPERS: 56**

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