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I.F = 80
H-index= 12

Research gate

https://www.researchgate.net/profile/Atif_Kamal?ev=hdr_xprf&_sg=Al13owZ6u1c2_Z3CJsaPFryCJoxEsZE3wL6RNmdTcOPhPwIwT42TGdmoruOlkpNmc7Loef2-vDwoZ6dsOJLhIOs

Mendeley

<https://www.mendeley.com/profiles/atif-kamal/>

Associate Editor:

Environmental Health section: BMC public health (part of Springer Nature)

Education

- PhD (research in the field of Environmental Biology) (2011-2015). Faculty of Biological sciences, Quaid-I-Azam University, Islamabad Pakistan. Thesis title: Biochemical investigation and health implications for selected cohorts exposed to Polycyclic Aromatic Hydrocarbons (PAHs) in Pakistan.
- M.Phil Degree in Environmental Sciences (2008-2010) at PMAS-Arid Agriculture University, Rawalpindi, Pakistan. Experimental thesis on "Biological monitoring of blood naphthalene and Benzene levels in car-mechanics and car-spray painters in Rawalpindi.
- Master Degree in Biochemistry (2005-2007) at PMAS-Arid Agriculture University, Rawalpindi, Pakistan.

Research interests: Risk analysis, exposure health-endpoint analysis, Environmental biology and toxicology, Environmental epidemiology, Eco-and Public health

Employment History

- Assistant Professor (contract) to date
- 2016- through 2017: Assistant Professor (IPFP) PMAS Arid Agriculture University, Rawalpindi
- 2014-2016: lecturer (Ph.D/ M.Phil and M.Sc courses) Department of Environmental Sciences, Quaid-I-Azam University, Islamabad, Pakistan.
- 2011-2015: Ph.D Fellow under Indigenous Ph.D scholarship, awarded by Higher Education Commission, Pakistan.
- 2007-2008: as Staff Technologist-I in Biochemistry & GCC laboratory of Shifa International Hospital - Ltd, Sector H-8/4, Islamabad Pakistan.
- 2005-2007: Senior Science Teacher in Kinder Garten Public School, Tipu Road, Sir Syed Chowk Rawalpindi, Pakistan.

Awards (No. 117-14858-AV7-161)

Award of PhD scholarship under Indigenous 5000 PhD Fellowship Program Batch – VII

Relevant Experience

Six months training/research programme (2013-14) under International research support initiative programme (IRSIP) awarded by Higher Education Commission of Pakistan (HEC) in the University of Florence, Italy, under the supervision of Dr. Alessandra Cincinelli, the Department of environmental chemistry, Ugo Schiff, Italy. The research conducted was analysis of POPs in serum/dust samples of exposed subjects, while DNA damage analysis was conducted in the urine samples of these subjects.

Associate in a project entitled "**Blood Serum and Haematological Parameters Research in context of epidemiology of exposure to hydrocarbon contamination among petroleum associated workers: A Representation of Eco-health Status in Rawalpindi and Islamabad**" conducted in PMAS-UAAR, Rawalpindi.

Associate in a project entitled “**Exposure and effect assessment of cohorts exposed to Biomass smoke in occupational and residential setting in Rawalpindi and Islamabad**, Quaid-I-Azam University Islamabad, Pakistan.

Research participant (During Master thesis) “**Monitoring results for organ-chlorine pesticides in soil and water from selected obsolete pesticide stores in Pakistan**” in the Ecotoxicology research program, Institute of Plant and Environmental Protection, National Agriculture Research Centre (NARC) Islamabad.

Conferences

12th National and 3rd International Conference of Botany 1st-3rd September 2012, Organized Pakistan Botanical Society (PBS) Quaid-I-Azam University, Islamabad, Pakistan

Training Workshops

International Workshop on Air Quality Monitoring and Global Warming Trends in Pakistan, 15-16 November 2012. Institute of Environmental Sciences and Engineering, School of Civil and Environmental Engineering, NUST-Islamabad, Pakistan.

Training Workshop on Instrumental Techniques for Monitoring of Hydro Pollutants (Division of Atomic Energy Commission), PINSTEC, Nore Islamabad, September 2011

Other Activities

Peer-reviewer

for major scientific journals in the fields of Environmental Sciences and Ecotoxicology including Journal of Environmental Management, Environmental Pollution, Talanta, Science of the Total Environment, Journal of Hazardous Materials, Plos-One, Environmental Sciences and pollution research, Environmental Research.

LIST OF PUBLICATIONS

Currently under review in 2019

Muhammad A*, Rifat H, Adnan R, Muhammad IT, Muhammad I, Abdul L, **Atif Kamal**. **An overview of sequencing, mapping, and genomic analysis of Soil microorganisms: A Metagenomics perspective**. Book chapter.

M Saeed, R.N. Mali, **Atif Kamal** *. Fluorosis and Cognitive Development among Children between 6 and 14 years of age living in the endemic Areas of the world: **A Review and meta-analysis**. Under review ESPR.

M Saeed, RN Malik, AFarooqi , MYAbdur Rehman , **Atif Kamal**. 2019. **Association of Urinary Fluoride and Dental Fluorosis, Cognitive Development and Lipid Peroxidation in School Children from Endemic Fluorosis Areas**. Under review Chemosphere.

Khan MU, **Atif Kamal**, RN Malik. **Toxic Heavy Metals in the Waste Water Irrigated Secondary Edible Parts of Food crops Grown in Pakistan: Implications for Human and Livestock Health**. Food and Chemical Toxicology.

2018

Riaz L, Mahmood T, Coyne MS, Khalid A, Rashid A, **Atif Kamal**, Siddique MBA. **2018**. Fluoroquinolones (FQs) in the Environment: A Review on their Abundance, Sorption and Toxicity in soil. Chemosphere. 191: 704–720.

News article 2017

Rashid A, **Atif Kamal**: **Brain-incapacitating Environmental contaminants could have a link with increasing Crime rate in Pakistan**. Pakistan observer February 2017.

Book Chapter 2017

Atif Kamal, RN Malik. 2017. **Human Being as Biomonitor of Soil Xenobiotics**: In: Xenobiotics in the Soil Environment: Monitoring, Toxicity and Management: Springer International Publishing. Eds. Hashmi, MZ., Kumar, V., & Varma, A. DOI: 10.1007/978-3-319-47744-2-5. 55-71. Vol 49 (of the series Soil Biology) 55-71.

2017

Atif Kamal, U Ali, MI Ramay, SMZ Younas, S Sumbul, RN Malik, A Rashid. **2017**. **Principle component analysis of flue gas exhaust from a functional incinerator in the vicinity of Rawalpindi Pakistan**. *Arabian journal of Chemistry*, 10(2): 2302-2306 (I.F=3.61) May 2017.

Rashid A, Taov S, U-ddin I, **Atif Kamal**. 2017. **Petrol filling workers as biomonitor of PAH-exposure and functional health capacity in resource Limited Settings of City Rawalpindi, Pakistan**. *Environmental science and Pollution Research*, 24(21):17881-17887. doi: 10.1007/s11356-017-9372-z. Jun 14, 2017.

Rehman MYA, **Atif Kamal**, Taqi MM, Malik RN. 2017. **Tracing biomarker of PAHs exposure and susceptibility factor (GSTM-1 polymorphism) among cancer patients in Pakistan**. *Chemosphere*, 178: 384-390 (IF. 3.69).

Riaz L, Mahmood T, **Atif Kamal**, Shafqat M, Rashid A. 2017. **Occurrence and ecological Risk associated with the prevalence of fluoroquinolones in Industrial waste water in Pakistan**. *Environmental toxicology and pharmacology*, 52: 14-20 (IF. 2.14).

Ali MU, Rashid A, Yousuf B, **Atif Kamal**. 2017. **Health outcomes of road-traffic pollution among exposed roadside-workers in the Rawalpindi City Pakistan**. *Human and Ecological Risk Assessment*, an international journal, 23(6): 1330-1339 (IF. 1.3).

2016

Atif Kamal, Alessandra C , Tania M , Riffat NM. 2016. **Linking mobile source-PAHs and biological effects in traffic police officers and drivers in Rawalpindi (Pakistan)**. *Ecotoxicology and Environmental Safety*, 127: 135-143 (IF. 3.13).

Atif Kamal, Syed JH, Jun Li , Gan Zhang , A Mehmood , RN Malik. 2016. **Profile of Atmospheric PAHs in Rawalpindi, Lahore and Gujranwala Districts of Punjab Province (Pakistan)** 616(4): 1010-1021. *Aerosol and Air Quality Research*, (IF. 2.39).

Hussain I, JH Syed, **Atif Kamal**, M Iqbal, SAMAS Eqani, CW Bong, RN Malik. 2016. **The relative abundance and seasonal distribution correspond with the sources of polycyclic aromatic hydrocarbons (PAHs) in the surface sediments of Chenab River, Pakistan**. *Environmental Monitoring and Assessment*, 188(6): 1-12, pp 378. doi: 10.1007/s10661-016-5359-3 (IF. 1.63).

PEER REVIEWED FULL LENGTH REVIEW PAPERS/BOOK CHAPTER PUBLISHED IN 2016

Naima H. Jabir HS, **Atif Kamal**, AS Faiqa, UA Tanveer, C Alessandra, K Athanasios, C Yadav Ishwar, Jun Li. RN Malik, Z Gan. 2016. **A Review on the Abundance, Distribution and Eco-Biological Risks of PAHs in the Key Environmental Matrices of South Asia**. *Reviews of Environmental Contamination and Toxicology*, DOI 10.1007/398_2015_5007. Book Chapter, 1-30 (IF 3.74).

Ali U, **Atif Kamal**, RN Malik. 2016. **An overview of climate change impacts on arid regions**. *Journal of Applied Agriculture and Biotechnology*, 1(1): 1-12.

Atif Kamal, C Alessandra, M Tania, RN Malik. 2016. **Biomarkers of PAH exposure and hematologic effects in subjects exposed to combustion emission during residential (and professional) cooking practices in Pakistan (in press)**. *Environmental science and pollution research*, 23:1284-1299, DOI: 10.1007/s11356-015-5297-6 (IF= 2.76).

2015

Atif Kamal, RN Malik, T Martellini, A Cincinelli. 2015. **Exposure to dust-bound PAHs and associated carcinogenic risk in primitive and traditional cooking practices in Pakistan**. *Environmental science and pollution research*, 22:12644-12654. DOI 10.1007/s11356-015-4444-4 (IF= z).

Atif Kamal, RN Malik, T Martellini, A Cincinelli. 2015. **Source, profile, and carcinogenic risk assessment for cohorts occupationally exposed to dust-bound PAHs in Lahore and Rawalpindi cities (Punjab province, Pakistan)**. *Environmental science and pollution research*, 22:10580-1059, DOI 10.1007/s11356-015-4215-2 (IF= 2.76).

Atif Kamal, A Cincinelli, T Martellini, RN Malik. 2015. **A review of PAH exposure from the combustion of biomass fuel and their less surveyed effect on the blood parameters**. *Environmental science and pollution research*, 22:4076-4098. DOI 10.1007/s11356-014-3748-0 (Review Paper) (IF= 2.76).

Atif Kamal, T Martellini, A Cincinelli, RN Malik. 2015. **Health and carcinogenic risk evaluation for cohorts exposed to PAHs in petrochemical workplaces in Rawalpindi city (Pakistan)**. *International Journal of Environmental Health Research*, 2015 <http://dx.doi.org/10.1080/09603123.2015.1007843> (IF= 1.51).

Atif Kamal, K Qamar, MA Anwar, M Gulfraz, RN Malik. 2015. **PAHs exposure and oxidative stress indicators of human cohorts exposed to traffic pollution in Lahore city (Pakistan)**. *Chemosphere*: 12: 59-67 (IF= 3.69).

Atif Kamal, Gulfraz M, RN Malik. 2014. **Reverse phase high performance liquid chromatographic method for the quantification of 1-OHPyr in human urine**. *International Journal of Occupational Medicine and Environmental Health* -00325-2014-02; 28(2):399-403 (IF= 0.69).

2014

Ali N, T Mehdi, RN Malik, **Atif Kamal**, HN Dirtu, C Adrian. 2014. **Levels and Profile of Several Classes of Organic Contaminants in Matched Indoor Dust and Serum Samples from Occupational 2 Settings of Pakistan**. *Environmental pollution*, 193: 269-276 (IF= 4.83).

Atif Kamal, A Rashid. 2014. Benzene exposure among auto-repair workers from workplace ambience: A Pioneer study from Pakistan. *International Journal of Occupational Medicine and Environmental Health*, 4; 27(5):830-839. <http://dx.doi.org/10.2478/s13382-014-0295-3> (IF= 0.69).

Atif Kamal, RN Malik, T Martellini, A Cincinelli. 2014. Cancer risk evaluation of brick kiln workers exposed to dust bound PAHs in Punjab province, Pakistan. *Science of the Total Environment* 493: 562-570 (IF= 4.1).

Atif Kamal, RN Malik, T Martellini, A Cincinelli. 2014. PAHs exposure biomarkers are associated with clinico-chemical changes in the brick kiln workers in Pakistan. *Science of the Total Environment* 490: 521-527 (IF= 4.1).

Nadeem Ali, T Mehdi, Riffat N Malik, SAMAS Eqani, Iqbal M.I. Ismail, **Atif Kamal**, Hugo Neels, Adrian Covaci. Legacy and emerging organohalogenated contaminants in matched serum and floor dust samples of various work places. *Dioxin 2014. Organohalogen Compd* 76, 653-656 (conference paper).

PEER REVIEWED COMMENTARIES/DISCUSSION PAPERS PUBLISHED IN 2014

Atif Kamal, RN Malik. 2014. Concerning "Haematological, immunological, and cardiovascular changes in individuals residing in a polluted city of India: A study in Delhi". *International Journal of hygiene and environmental Health*, 217(8); Pp 897(IF= 3.2).

Atif Kamal, RN Malik. 2014. Concerning the manuscript "Burnt sugarcane harvesting: Particulate matter exposure and the effects on lung function, oxidative stress, and urinary 1-hydroxypyrene". *Science of the Total Environment*, 479-480: Pp 319. <http://dx.doi.org/10.1016/j.scitotenv.2014.01.117> (IF= 4.1).

Atif Kamal, RN Malik. 2014. Comments on "Polycyclic aromatic hydrocarbons (PAHs) in urban surface dust of Guangzhou, China: Status, sources and human health risk assessment". *Science of the Total Environment* Vol: 478, pp 200. <http://dx.doi.org/10.1016/j.scitotenv.2014.01.096> (IF= 4.1).

2013

S Waheed, **Atif Kamal, RN Malik. 2013. Human health risk from organ specific accumulation of toxic metals and response of antioxidants in edible fish species from River Chenab, Pakistan.** *Environmental science and pollution research* (Springer) 21:4409-4417, 10.1007/s11356-013-2385-3 (IF= 2.76).

2011 - 2012

Atif Kamal, RN Malik. 2012. Haematological Evidence of Occupational Exposure to Chemicals and Other Factors among Auto-Repair workers in Rawalpindi, Pakistan. *Osong Public health and Research Perspectives*, 3(4): 229-238. doi:10.1016/j.phrp.2012.10.003.

Atif Kamal, RN Malik, N Fatima, A Rashid. 2012. Chemical exposure in occupational settings and related health risks: A neglected area of research in Pakistan. *Environmental Toxicology and pharmacology* 34(1):46-58. PMID 22445870 (**Review Paper**) (IF= 2.14).

Atif Kamal, Q Mazhar, IU Cheema, A Rashid. 2011. Biological Monitoring of Blood Naphthalene Levels as a Marker of Occupational Exposure to PAHs among Auto-Mechanics and Spray Painters in Rawalpindi. *BMC Public Health*, 11:467. doi:10.1186/1471-2458-11-467 (IF= 2.2).

R Ayesha, N Fatima, M Ruqayya, KM Qureshi, IA Hafiz, KS Khan, **Atif Kamal. 2011. Influence of Different Growth Media on the Fruit Quality and Reproductive Growth Parameters of Strawberry (Fragaria ananassa).** *Journal of Medicinal Plant Research (JMPR). Journal of Medicinal Plants Research*, 5(26): 6224-6232.

Nisa W, Atif Kamal, A. Rashid. Socio-demographic analysis of Risk Factors associated with Benzene Exposed Health Care Workers in the Hospitals of Rawalpindi.

News Letters

Atif Kamal, W Safdar. 2011. Nanotechnology in Pakistan: Current Trends and Future Perspective. National academy of young scientists, Pakistan, Issue **08**: February **2011**.

Atif Kamal. 2011. Swine Flu Outbreak In Pakistan, No One Is Safe Until Every One Is Safe. National academy of young scientists, Pakistan, Issue **09**: April **2011**.

Acknowledgement

Polycyclic aromatic hydrocarbons (PAH) in Chinese forest soils: profile composition, spatial variations and source. *Scientific Reports*. June 2017.

References

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