



PROF. (DR) KAFEEL AHMAD, FIE, CE, India

Kafeel Ahmad is presently, Professor in the Department of Civil Engineering and Hony. Director (Research), Jamia Millia Islamia. He is Fellow of Institution of Engineers (FIE), India and Chartered Engineer (CE) India. He is graduated in Civil Engineering and post graduated in Environmental and Water Resources Engineering from Aligarh Muslim University, Aligarh. He obtained his Ph.D. (Environmental Engineering) degree from Indian Institute of Technology, Delhi. Dr. Ahmad has 19 years research and teaching experience. He has supervised *seven PhD thesis* and 27 M. Tech dissertations. He has published 92 papers in national /international journals and conferences. He has 1421 citations of his research work with H-index 11. Dr. Ahmad is Casual Reviewer of more than 25 reputed international journals of environmental science and engineering. He has also specially designed and authored a book on environmental science and engineering for competitive examinations. He has provided consultancies in different areas of environmental engineering, such as design of ETPs/STPs, development of solid waste management plan and air quality modeling as well as efficacy and adequacy of ETP/STP/ECS/Air Pollution Control Systems etc.

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21, Teachers Hostel Jamia College Campus Jamia Millia Islamia (A Central University) M.M.A. Jauhar Road, Jamia Nagar New Delhi – 110025, India	Department of Civil Engineering F/O Engineering and Technology Jamia Millia Islamia, New Delhi – 110025  Phone: 91 – 11 – 26985227 (O) 91 – 11 – 26981717 Ext. 1021 Email: <a href="mailto:kahmad2@jmi.ac.in">kahmad2@jmi.ac.in</a> <a href="mailto:kafeeljmi@yahoo.com">kafeeljmi@yahoo.com</a> <a href="mailto:kafeeljmi@gmail.com">kafeeljmi@gmail.com</a>

## ACADEMIC DETAILS

### (a) Professional Qualifications

Ph.D.*	Indian Institute of Technology New Delhi – 110016, India	Environmental Engineering	2005
M. Sc. Engg.**	Aligarh Muslim University	Environmental & Water	1997

	Aligarh - 202002, India	Resources Engineering	
B. Sc. Engg.	Aligarh Muslim University Aligarh - 202002, India	Civil Engineering	1993

*\*Title of Ph.D. Thesis:* Wind Tunnel Simulation Study of the Line Source Dispersion at Urban Intersection under Heterogeneous Traffic Conditions

*\*\*Title of M. Sc. Engg. Dissertation:* A Baseline Air Quality Status at Khurja City, India

## (b) Professional Experience

Post & Grade	Period of Employment	Employer
Professor	Dec. 18, 2015 to till Date	Jamia Millia Islamia (A Central University), New Delhi – 110 025, INDIA
Associate Professor (Level – 4)	Dec. 18, 2012 to Dec. 17, 2015	Jamia Millia Islamia (A Central University), New Delhi – 110 025, INDIA
Assistant Professor (Level – 3)	March 8, 2011 to Dec. 17, 2012	Jamia Millia Islamia (A Central University), New Delhi – 110 025, INDIA
Assistant Professor (Level – 2)	March 8, 2006 to 7 March, 2011	Jamia Millia Islamia (A Central University), New Delhi – 110 025, INDIA
Lecturer	March 8, 2002 – March 7, 2006	Jamia Millia Islamia (A Central University), New Delhi – 110 025, INDIA
Institute Research Scholar	July 22, 1999 – March 7, 2002	Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 110 016, INDIA

## (c) Courses Taught at UG/PG Level

### U.G. Level (B. Tech./B. Arch)

- Elements of Environmental Engineering
- Water Supply and Sanitation
- Air Pollution Control Engineering
- Environmental Engineering – II
- Advance Environmental Engineering
- Environmental Engineering Laboratory

### P.G. Level (M. Tech./M. Arch/M. Ekistics)

- Treatment Process – I
- Air Pollution
- Air & Noise Pollution Control Systems
- Environmental Impact Assessment
- Experimental Design and Data Analysis
- Environmental Engineering Labs

## (d) Development of Courses

- (i) Elements of Environmental Engineering, Common Course for B Tech (all disciplines)
- (ii) Advance Environmental Engineering B Tech Curricula
- (iii) Building Services (Water Supply and Sanitation) for B Arch Curricula
- (iv) Air and Noise Pollution Control Systems for M Tech Curricula
- (v) Experimental Design and Data Analysis for M Tech Curricula

#### (e) Laboratory Development

Developed State of the Art Laboratory for P.G. (M. Tech) and Research Students (Grant received from All India Council of Technical Education, Govt. of India)

#### (f) Participation in Orientation/Refresher Courses (06)

- (i) UGC Sponsored Professional Development Program for Senior Faculty from December 21 to December 21, 2013, organized by UGC – Academic Staff College, Jamia Millia Islamia, New Delhi – 110025, India
- (ii) QIP/CEP course on human health risk assessment of emerging contaminants from May 16th to May 20th, 2012, organized by Department of Civil Engineering, Indian Institute of Technology, New Delhi – 110016, India
- (iii) QIP short term course on geotechnical investigations including lab practices in soil engineering from March 19 to 23, 2012, organized by Department of Civil Engineering, National Technical Teachers Training Institute, Chandigarh, India
- (iv) QIP/CEP summer school on environmental pollution control from July 9 to 14, 2005, organized by Department of Applied Mechanics, Indian Institute of Technology, New Delhi – 110016, India
- (v) 72<sup>nd</sup> Four week orientation course from april 13 to may 11, 2005 organized by UGC – Academic Staff College, Jamia Millia Islamia, New Delhi – 110025, India
- (vi) QIP/CEP summer school on experimental methods and data analysis from July 5 to 11, 2002, organized by Department of Applied Mechanics, Indian Institute of Technology, New Delhi – 110016, India

#### (g) Invited Talks/Lectures (07)

- (i) ***Environmental Impact Assessment for Developmental Projects***, 11th Three Week Refresher Course in Geography and Environmental Studies from January 16 to February 06, 2009 Organized by UGC – Academic Staff College, Jamia Millia Islamia, New Delhi – 110025, India
- (ii) ***Physical Dispersion Modeling – Options and Opportunities***, Coastal and Air Pollution Department, Kuwait Institute for Scientific Research, Safat, Kuwait (October 13, 2008).
- (iii) ***Environmental Impact Assessment***, 10th Three Week Refresher Course in Geography and Environmental Studies from August 10 to August 21, 2007 Organized by UGC – Academic Staff College, Jamia Millia Islamia, New Delhi – 110025, India
- (iv) ***Physical Simulations for Air Quality Modeling***, Short term QIP Course on Emerging Technologies for Environmental Management from July 17 to 21, 2006,

Organized by Department of Civil Engineering, Indian Institute of Technology, New Delhi – 110016, India

- (v) ***Air Quality Monitoring and Data Interpretation***, QIP Course on Emerging Technologies for Environmental Management from July 17 to 21, 2006, Organized by Department of Civil Engineering, Indian Institute of Technology, New Delhi – 110016, India
- (vi) ***Physical Air Quality Modeling***, QIP/CEP Summer School on Environmental Pollution Control from July 9 to 14, 2005, Organized by Department of Applied Mechanics, Indian Institute of Technology, New Delhi – 110016, India
- (vii) ***Wind Tunnel Simulations of Pollutants Dispersion***, QIP/CEP Summer School on Experimental Methods and Data Analysis from July 5 to 11, 2002, Organized by Department of Applied Mechanics, Indian Institute of Technology, New Delhi – 110016, India

## RESEARCH DETAILS

### (a) PhD/M. Tech./B. Tech/B.E. Supervision

Thesis/Dissertation/Projects	Completed	Ongoing
• PhD	07	11
• M. Tech	27	04
• B. Tech/B.E.	31	02

#### *PhD Awarded/Submitted*

S. No.	Name of Student	Ph.D. Topic
i	Mufeed Sharholy	Analysis of solid waste management systems and impact of landfill leachate on ground water
ii	Abdul Ahad	Performance evaluation of a coagulant (sludge reagent product) on water treatment
iii	Nasim Akhtar	Noise mapping and development of noise prediction model for an urban area
iv	Ghanshyam	Study on spatial pollutant concentration distribution in the close vicinity of urban roadways intersection and models validation
v	Siddartha Gautam	Analysis of water consumption pattern and its reuse in five star hotels
vi	Alok Suman	A comparative study on colloidal suspension removal from industrial wastewater (Submitted)
vii	Tarique Ahmad	Study on water treatment sludge – options and opportunities (Awarded)

### **M. Tech Dissertation Completed (27)**

- (i) Satyavir Singh (2004) Hexavalent chromium removal from synthetic wastewater by adsorption

- (ii) Ahmad Kashif Jamil (2004) Removal of heavy metal using sludge reagent product
- (iii) Hafiz Shakeel Ahmad Siddiqui (2005) Development of water purifier
- (iv) Adil Zamir Khan (2006) Color removal from industrial wastewater by adsorption
- (v) Arun Kishore Chakraborty (2007) Prediction of carbon monoxide concentration in the close vicinity of urban intersection using Cal3-QHC model and its verification
- (vi) Bharat Lal Ravi (2007) Traffic Noise Mapping of an Urban Area (South Delhi) using GIS
- (vii) Harihar Sharma (2008) Abatement of Green House Gas Emission from Oil and Gas fields Using Clean Development Mechanism – A Case Study
- (viii) Irfan A Khan (2008) Air Quality Modeling at an Urban Roadways using Caline – 4 Model
- (ix) Sanjay Das (2009) Sensitivity analysis of air quality model ISCST3 for point source
- (x) Mukesh Kumar Meena (2009) Study of respirable particulates (PM<sub>10</sub> and PM<sub>2.5</sub>) at the road side micro environment in Delhi
- (xi) S. Najibul Hasan (2009) Validation of noise prediction model FHWA in urban roadways
- (xii) Ram Singh Bind (2012) Removal of mercury derived from synthetic waste water using activated carbon
- (xiii) Shahabuddin (2012) Verification of iron removal techniques and its application in iron removal from ground water using activated carbon
- (xiv) Asra Shibli (2012) Removal of hexavalent chromium from synthetic wastewater using activated carbon
- (xv) Randhir Bahadur Singh (2013) Removal of colloidal suspension from wastewater using acidified sludge
- (xvi) Baha Uddin Zakaria (2013) Air quality modeling for an industrial area
- (xvii) Ravinder Singh Chauhan (2014), Impact of Air Quality on Human Health In The Vicinity of Construction Sites in Delhi-NCR
- (xviii) Dev Swaroop (2014), Road Traffic Noise Level Assessment at an Institutional Area
- (xix) Adil Masood (2015), Air Quality Monitoring, Modeling and Mapping in an Urban Area
- (xx) Vidya, S. (2015), Removal of Colloidal Suspension from Wastewater Using Moringa Olifera Seed Powder as a Coagulant
- (xxi) Brajmohan (2015), Air Quality Assessment and Modeling in an Institutional Area of New Delhi
- (xxii) Saurabh Manuja (2017), Greenhouse Gas Emission Modelling and Its Validation—A Case Study for Okhla Disposal Site

- (xxiii) Mutali Jaan (2018), Air quality assessment and Sensitivity Analysis of Caline 4 model
- (xxiv) Faiza Khalil (2018), Comparative Noise Assessment Study In Urban Settings
- (xxv) Rupinder Kaur (2018), Assessment and Analysis of PM<sub>2.5</sub> in Indoor Environment
- (xxvi) Manisha Tomar (2018), Monitoring and Analysis of PM 2.5 in various land use categories in Noida
- (xxvii) Tazeen Anwaar (2018), Study of Fluoride Removal from Synthetic Water through Low Cost Adsorbent

## (v) Publications

- (i) Research Papers : 92
- (ii) Citations : 1411
- H index : 11
- (Source: Google scholar)
- (iii) Book : 01

## LIST OF PUBLICATIONS

Tarique Ahmad, **Kafeel Ahmad** and Mehtab Alam (2018), Characterization and constructive utilization of sludge produced in clari-flocculation unit of water treatment plant, Materials Research Express, Vol. 5, pp. 5 – 11

Alok Suman, Sreevidya, S., **Kafeel Ahmad** (2018), Removal of colloidal suspension from surface water by natural coagulant, Journal of the Institution of Public Health Engineers, India, Vol. 46, pp. 12 – 16

A. Mubarak, A. Huma, F. Ahmad, **K. Ahmad**, Inamul Haq (2018), Zero Discharge Concepts in Five Star Hotel – A Case Study, Journal of Engineering Research and Application, Vol. 8, Issue 7 (Part -I), pp. 13-20

Sourabh Manuja, **Kafeel Ahmad**, Inamul Haq (2018), Greenhouse Gas Emission Modelling and Its Validation—A Case Study for Okhla Disposal Site, International Journal of Latest Engineering Research and Applications, Vol 03 - No. 04, pp 11 – 19

Pervez Alam, Mufeed Sharholy and **Kafeel Ahmad** (2018), A study of landfill leachate and its impact on groundwater quality of Ghazipur Area, New Delhi, India, RECYCLE – 2018, 22 – 24 February, Indian Institute of Technology, Guwahati, Assam, India

Brajmohan, Adil Masood, **Kafeel Ahmed** (2018), Air Pollution Dispersion Modeling for Diesel Generators at Jamia University Campus, New Delhi, India, International Journal of Advance Research and Innovation, Vol. 6, Issue 2, pp. 118 – 121

K. Taneja, S.D. Attri, S. Ahmad, **Kafeel Ahmad**, V.K. Soni, V. Mor, R. Dhankar (2017), Comparative assessment of aerosol optical properties over a megacity and an adjacent urban area in India, MAUSAM, Vol. 68, pp. 673 – 688.

Alok Suman, Tarique Ahmad, **Kafeel Ahmad** (2017), Dairy wastewater treatment using water treatment sludge as coagulant: A Novel Treatment Approach, Environment, Development And Sustainability, Vol. 30, 1 – 11

A. Masood, **A. Kafeel**, A. Shamshad (2017), Urban Roadside Monitoring, Modeling and Mapping of Air Pollution: A Case Study of New Delhi, India, Applied Journal of Environmental Engineering Science, Vol. 3, No. 2, pp. 179 – 194.

Tarique Ahmad, **Kafeel Ahmad** and Mehtab Alam (2017), Sludge quantification at water treatment plant and its management scenario, Environmental Monitoring and Assessment, 189:453

Tarique Ahmad, **Kafeel Ahmad**, Abdul Ahad, Mehtab Alam (2016), Characterization of water treatment sludge and its reuse as coagulant, Journal of Environmental Management Vol. 182, pp. 606 – 611

T. Ahmad, **K. Ahmad**, M. Alam (2016) Sustainable Management of Water Treatment Sludge Through 3R Concept, Journal of Cleaner Production, Vol. 124, pp. 1 – 13

Siddhartha Gautam, Sirajuddin Ahmed, **Kafeel Ahmed** and Abid Haleem (2016), Development of Water Consumption Benchmark for Five Star Hotels – Using Delphi's Technique, Water Utility Journal, Vol. 13, pp. 47-56

Nasim Akhtar, **Kafeel Ahmad**, Pervez Alam (2016), Noise monitoring and mapping for some pre-selected locations of New Delhi, India Journal of Fluctuation and Noise Letters, Vol. 15 (02), 1650019

Kanika Taneja, Shamshad Ahmad, Kafeel Ahmad and S.D. Attri (2016), Time series analysis of aerosol optical depth over New Delhi using Box-Jenkins ARIMA Modeling Approach, Atmospheric Pollution Research Journal, Vol. 7, pp. 585 – 596

Yadav HRP and **Kafeel Ahmad** (2016), expoxure to benzene due to Vehicular Emissions – A major concern for food products, All India seminar on food processing industries: their impact for food security, February 13 – 14, 2016, The Institution of Engineers (India) Delhi State Centre, New Delhi, India

Pervez Alam, **Kafeel Ahmad**, S.S. Afsar, Nasim Akhtar, Yawar Mustaq Raina (2015), Study of vibrations produced on five different types of flyovers in Delhi, India, International Journal of Structural Engineering, Vol. 6, No. 4, pp. 318 – 331

Shamshad Alam and Kafeel Ahmad (2015), Modeling of Municipal Solid Waste System Using Poersim Studio – A Case Study, International Journal of Energy Research and Environmental Technology, Vol. 2, pp. 117 – 122

Gautam, Siddhartha, Sirajuddin Ahmed, **Kafeel Ahmad** and Sanjoy Maji (2015), Assessment of Water Consumption and Reutilization Potential in Hospitality Sector- A Case Study of Delhi, International Journal of Environmental Engineering, Vol. 2, No. 2, 93-97

Ravinder Singh, **Kafeel Ahmad**, D C Jakhwal and M Satish Kumar, Impact of Air Quality on Human Health In The Vicinity of Construction Sites in Delhi-NCR, Int. Journal of Engineering Research and Applications Vol. 4, Issue 8( Version 4), August 2014, pp.18-26 ISSN : 2248-9622

T. Ahmad, **K. Ahmad** and M. Alam (2015), Characterization of Water Treatment Plant's Sludge and its Safe Disposal Options, Proceedings of the 5<sup>th</sup> International Conference on Solid Waste Management, Indian Institute of Science, Bangalore, India, pp. 1093-1097

Alok Suman, **Kafeel Ahmad** and Sreevidya S (2015) A Comparative Study on Dairy Wastewater Treatment Using Environment Friendly Coagulants, Proceedings 2<sup>nd</sup> International Conference on Applied Sciences, Environmental Engineering and Energy Technology for Sustainable Development (ASET-2015), Jawaharlal Nehru University, New Delhi, India, 14<sup>th</sup> -15<sup>th</sup> February 2015.

Yadav HRP and **Kafeel Ahmad** (2015), Impact of Vehicular Emissions on The Environment (2015), Safety Convention 2015 on Incorporating safety in Habitat and Smart Cities, 3<sup>rd</sup> – 5<sup>th</sup> September 2015, The Institution of Engineers (India) Delhi State Centre, New Delhi, India

Yadav HRP and **Kafeel Ahmad** (2015), Impact of Vehicular Emissions on Climate Change and Global Warming, Proceedings of 31<sup>st</sup> National Convention of Environmental Engineers and

National Seminar on Climate Change – Need for Global Partnership, November 6 – 7, 2015, organized by Institution of Engineers, Chandigarh, India

Alok Suman, **Kafeel Ahmad** and Sreevidya S (2015), Economical Surface Water Treatment Technique using Acidified Recycled Sludge, Proceedings 2<sup>nd</sup> International Conference on Applied Sciences, Environmental Engineering and Energy Technology for Sustainable Development (ASET-2015), Jawaharlal Nehru University, New Delhi, India, 14th -15th February 2015.

Alok Suman and **Kafeel Ahmad** (2015), Treatment of Dairy Wastewater at Various pH Conditions using Conditioned Sludge as Coagulant, Safety Convention 2015 on Incorporating safety in Habitat and Smart Cities, The Institution of Engineers (India) Delhi State Centre, 3<sup>rd</sup> – 5<sup>th</sup> September 2015

Ahmed, Sirajuddin, Siddhartha Gautam and **Kafeel Ahmed** (2015), Reuse and conservation practices for making Hotels green, National Conference on Green Buildings in India: Present Practices and Future Prospects, 27<sup>th</sup> August, 2015, JamiaMillialIslamia, NEW Delhi, 101-112 (ISBN 8182300894)

Ahmed, Sirajuddin, Siddhartha Gautam and **Kafeel Ahmed** (2014), Assessment of Water Consumption Pattern in Hospitality Sector With Special Reference to Five Star Hotels in Delhi, National Seminar on Water Resources Management Achievements and Challenges - 2014, 22<sup>nd</sup> March, 2014, Jamia MillialIslamia University, New Delhi, 379-389 (ISBN: 978-81-927151-7-9)

Yadav HRP and Kafeel Ahmad (2014), Role of alternative fuels for transport sector – a case study, Proceedings of 29<sup>th</sup> Indian Engineering Congress, December 18 – 21, 2014, Hyderabad, Organised by Institution of Engineers, India

Dev Swaroop, **Kafeel Ahmad** and Ravinder Singh, Road Traffic Noise Level Assessment at an Institutional Area Int. Journal of Engineering Research and Applications, Vol. 4, Issue 9 (Version 5), September 2014, pp.175-184 ISSN : 2248-9622

Ghanhyam and **Kafeel Ahmad** (2014), Spatial Carbon Monoxide (CO) Concentration Distribution at Congested Urban Roadways Intersection, International Journal of Applied Engineering Research, Volume 9, Number 9, pp. 1201 – 1210

Ghanhyam and **Kafeel Ahmad** (2014), Temporal Variation of Carbon Monoxide (CO) Concentration at Congested Urban Roadways Intersection, International Journal of Engineering Research and Applications, Volume 4, Issue 1 (Version 3), pp. 123 – 127.

Pervez Alam and **Kafeel Ahmad** (2013), Impact of solid waste on health and the environment, International Journal of Sustainable Development and Green Economics, Vol. 2 (01), pp. 165 – 168.

**Kafeel Ahmad** (2013), Physical Simulation of Automobile Exhausts Dispersion at an Urban Intersection – Part I: Concentration Fields and Dispersion, International Journal of Engineering Research and Applications Vol. 3 (01), pp. 880 – 886.

**Kafeel Ahmad** (2013), Physical Simulation of Automobile Exhausts Dispersion at an Urban Intersection – Part II: Traffic Induced Effects, International Journal of Engineering Research and Applications, Vol. 3 (01), pp. 887 – 890.

**Kafeel Ahmad** (2013), Experimental Verification of Plate's Criteria for Urban Roadways Intersection, International Journal of Engineering Research and Applications, Vol. 3 (01), pp. 913 – 918.

**Kafeel Ahmad** (2012), A System Dynamics Modeling of Municipal Solid Waste Management



Systems in Delhi, International Journal of Research in Engineering and Technology, Vol. 1 (4), pp. 628 – 641.

**Kafeel Ahmad** (2012), Reuse of Inorganic Sludge as a Coagulant on Colloidal Suspension Removal in Raw Surface Water Treatment, International Journal of Research in Engineering and Technology, Vol. 1 (4), pp. 642 – 645.

Nasim Akhtar, **Kafeel Ahmad**, S. Gangopadhyay (2012), Impact of Environmental Noise Barrier on Noise Reduction and Frequency Shift, International Journal of Geology, Earth and Environmental Sciences Vol. 2 (3), pp.113-118.

Nasim Akhtar, **Kafeel Ahmad**, S. Gangopadhyay (2012), Road Traffic Noise Mapping and a case study for Delhi Region, International Journal of Applied Engineering and Technology, Vol. 2 (04), pp. 39 – 45.

Nasim Akhtar, **Kafeel Ahmad**, S. Gangopadhyay (2012), Reflection and Absorption of Sound, In Different Types of Road Surface - Using Microflow Surface Impedance Meter, International Journal of Applied Engineering and Technology, Vol. 2 (02), pp. 49 – 55.

Nasim Akhtar, **Kafeel Ahmad**, S. Gangopadhyay (2012), Assessment of Noise Level in the Vicinity of Birds Habitat at Indore City, Cibtech Journal of Zoology, Vol. 1 (2), pp.1-6.

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Nasim Akhtar, **Kafeel Ahmad**, S. Gangopadhyay (2012), Assessment of Road Noise Prediction Model (CoRTN) for Indian Conditions, Indian journal of air pollution control, Vol. 12 pp. 57 – 71.

Nasim Akhtar, **Kafeel Ahmad**, S. Gangopadhyay (2012), Assessment of Road Noise Prediction Model (RLS – 90) for Indian Conditions, Presented in National Conference on Ecotoxicology and Health Hazard, held on March 24, 2012, Hisar, Haryana, India.

Nasim Akhtar, **Kafeel Ahmad**, S. Gangopadhyay (2012), Annoyance Due to Different Road Traffic Vehicles, Presented in National Conference on Ecotoxicology and Health Hazard, held on March 24, 2012, Hisar, Haryana, India.

Irfan Ali Khan, **Kafeel Ahmad** and Ghanshyam (2011), Prediction of carbon monoxide in the near field of urban roadways using Caline – 4 Model, Proceedings of National Conference on Climate Change and Environment (CCE – 2011), Faridabad, Haryana – 121004. pp. 32 – 43.

Nasim Akhtar, **Kafeel Ahmad**, S. Gangopadhyay (2011), Comparative assessment of road noise prediction models for Indian conditions, Environmental Pollution Control Journal, Vol. 14, pp. 80 – 84.

**Kafeel Ahmad** and Mukesh Khare (2010), Feasibility assessment of short stack for Diesel Generator set in special case, Indian Journal of Air Pollution Control, Vol. 10 pp. 9 – 16.

Qutebha, M.T., Gupta, N.C., Gupta, D.V. and **Kafeel Ahmad** (2010), PM<sub>2.5</sub> predictions in a congested urban street Using CAL3QHC, Indian Journal of Air Pollution Control, Vol. 10, pp. 25 – 31

Nasim Akhtar, **Kafeel Ahmad**, S. Gangopadhyay (2010), Annoyance due to road traffic vehicles, Proceedings of Conference on Inter Noise 2010, 13 – 16 June, 2010, Lisbon, Portugal, pp. 1 – 10.

Alok Suman, **Kafeel Ahmad** and Chamkaur Singh (2010), Role of GIS in urban planning, Proceedings of Conference on Remote Sensing and GIS for Environmental Management, August 10, 2010, New Delhi, India, pp. 254 – 267

Mufeed Sharholy, **Kafeel Ahmad**, Gauhar Mahmood and R.C. Trivedi (2008) Municipal solid waste management in Indian Cities – A review, International Journal of Waste Management, Vol. 28, Issue 2, pp. 459 – 467.

Jitendra K. Nagar, J.P. Shrivastava, Raj Kumar, Umesh Chandra, Brijesh Rathi, S.V.S Rana, **Kafeel Ahmad** (2007), Urban air pollution: A global environmental health problem - a review, Bulletin Environmental Science, Vol. XXV, pp. 201 – 223

Mufeed Sharholy, **Kafeel Ahmad**, R.C. Vaishya, R.D. Gupta (2007) Municipal solid waste characteristics and management in Allahabad, India. International Journal of Integrated Waste Management, Vol. 27, Issue 4, pp. 490 – 496.

Mufeed Sharholy, **Kafeel Ahmad**, Gauhar Mahmood, R.C. Trivedi (2007) Analysis of municipal solid waste treatment facilities – Indian scenario, Proc. Assocham Environment Summit 2007, pp. 1 – 3, October 24, 2007, New Delhi, India.

Mufeed Sharholy, **Kafeel Ahmad**, Gauhar Mahmood, R.C. Trivedi (2007) Policies and Practices of municipal solid waste management, Proc. Assocham Environment Summit 2007, pp. 18 – 20, October 24, 2007, New Delhi, India.

**Kafeel Ahmad**, Abdul Ahad and Ghanshyam (2007), Base line air quality status at Khurja City, India, Proc. International Conference on Environmental Management: Scenario and Strategies to 2020, Dec. 26 – 27, 2007, Indore, India, India.

A.K Chakraborty, **Kafeel Ahmad**, Abdul Ahad and Ghanshyam (2007) Prediction of Carbon monoxide concentration at urban roadway intersection using caline – 3 model, Proc. International Conference on Environmental Management: Scenario and Strategies to 2020, Dec. 26 – 27, 2007, Indore, India.

Adil Zamir Khan, **Kafeel Ahmad**, Abdul Ahad (2007), Low cost technique of colored dye removal from dying industrial wastewater, Proc. International Conference on Environmental Management: Scenario and Strategies to 2020, Dec. 26 – 27, 2007, Indore, India.

Abdul Ahad, **Kafeel Ahmad** and Alok Suman (2006) Evaluation of acidified recycled sludge as a coagulant aid for coagulation of colloidal suspensions, Presented in 7<sup>th</sup> International Conference and Exhibition on Asian Water Industry, Nov. 2 – 4, 2006, New Delhi, India.

Abdul Ahad, **Kafeel Ahmad** and Alok Suman (2006) Application of recycled sludge on colloidal suspensions removal from synthetic wastewater, Proc. National Conference on Civil Engineering Systems, June 1 – 3, 2006, Hyderabad, India

Abdul Ahad, **Kafeel Ahmad**, Alok Suman (2006), Water treatment using a new coagulant sludge reagent product, Proc. National Conference on Advances in Mechanical Engineering, Jan. 21-22, 2006, New Delhi, India

Mufeed Sharholy, **Kafeel Ahmad**, Gauhar Mahmood, R.C. Trivedi (2006), Development of prediction models for municipal solid waste generation for Delhi city, Proc. National Conference on

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B.L. Ravi, N.U. Khan, **Kafeel Ahmad** (2006), Green House Effect: Global Concern, Proc. National Conference on Advances in Mechanical Engineering, Jan. 21-22, 2006, New Delhi, India

Anil K. Pathak, **Kafeel Ahmad**, N.U. Khan (2006), Ozone - A boon for humanity leading to disaster, Proc. National Conference on Advances in Mechanical Engineering, Jan. 21-22, 2006, New Delhi, India

Rashmi Panwar and **Kafeel Ahmad** (2006), Biodegradable polymers and their feasibility - a review, Proc. National Conference on Advances in Mechanical Engineering, Jan. 21-22, 2006, New Delhi, India

**Ahmad, K.**, Khare, M., Chaudhry, K.K. (2005) Wind tunnel simulation studies on dispersion at urban street canyons and intersections - a review, International Journal of Wind Engineering and Industrial Aerodynamics, Vol. 93, pp. 697 - 717

Khare, M., Chaudhry, K.K., Gowda, R.M.M., **Ahmad, K.** (2005) Effects of the homogeneous traffic on vertical dispersion parameter in the near field of roadways - a wind tunnel study, International Journal of Environmental Modeling and Assessment, Vol. 10, Issue 1, pp. 55 - 62

**Ahmad, K.**, Khare, M. and Chaudhry, K.K (2005), Physical modeling of automobile exhaust dispersion at urban road junctions, Proc. 14th ISME International Conference on Mechanical Engineering in Knowledge Age, Dec. 12 – 14, 2005, New Delhi, India

Mufeed Sharholly, **Kafeel Ahmad**, Gauhar Mahmood, RC. Trivedi (2005), Analysis of municipal solid waste management systems in Delhi - a review, Proc. International Congress of Chemistry and Environment, Dec. 23 – 25, 2005, Indore (M.P.), India

Abdul Ahad, **Kafeel Ahmad**, Alok Suman, M.M. Ashhar (2005), Iron removal from synthetic wastewater using sludge reagent product as a coagulant, Proc. International Congress of Chemistry and Environment, Dec. 23 – 25, 2005, Indore (M.P.), India

**Ahmad K.**, Asma Khan, Shabi Fatima, Shabbir Ahmad and Z. Abbas (2004) Prediction of ground level concentration of sulphurdioxide in the downwind of thermal power plants, Proc. International Conference on Energy and Environment, (January 23 - 24, 2004) New Delhi, India

Akhlaque, M.S., Alam S.S., Awasthi, A. and **Ahmad, K.** (2004) Prediction of Energy consumption using fuzzy time series model, Proc. International Conference on Energy and Environment, (January 23 - 24, 2004) New Delhi, India

Chaudhry, K.K., Khare, M. and **Ahmad, K.** (2003), Traffic induced effects on vertical dispersion parameter - artificial neural network predictions, Proc. 11th International Conference on Wind Engineering (June 2 - 5, 2003), Lubbock, Texas, USA

**Ahmad, K.**, Khare, M., Chaudhry, K.K. (2002), Model vehicle movement system in wind tunnels for exhaust dispersion studies under various urban street configurations, International Journal of Wind Engineering and Industrial Aerodynamics, Vol. 90, pp. 1054 – 1067

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Ayub, S., Khan, N.A., Ashhar, M.M. and **Ahmad, K.** (1996) Removal of hexavalent chromium from waste water by adsorption using lignite, Proc. National Workshop on Environmental Protection: a Scientific Perspective (December 27 - 28, 1996) Nagpur, India

*Book:* **Kafeel Ahmad** (2008) Environmental Science and Engineering through Objective Questions, Galgotia Publications (Pvt.) Ltd., New Delhi, India.

(vi) **Consultancies more than Rs. 50,000.00**

- (i) Preparation of solid waste management plan for central business district, Naya Raipur Chhattisgarh.
- (ii) Design of effluent treatment plant (ETP) for ESIC, Hospital at Basaidarapur, New Delhi.
- (iii) Design of effluent treatment plant (ETP) for ESIC Hospital at Rohini, New Delhi.
- (iv) Design of effluent treatment plant (ETP) for ESIC Hospitals at Jhilmil, New Delhi.
- (v) Investigation of civil and structural defects at elephant ht. apartments, Dwarka, New Delhi (Co-investigator).
- (vi) Vetting of design/drawings of sewer line, sewage pumping station and sewage treatment plant at Sewerage Work in Satellite Town Pilakhuwa of District Ghaziabad.
- (vii) Evaluation/vetting of design and drawing of engineered sanitary landfill at Bawana, Delhi.
- (viii) Preparation of adequacy/efficacy reports for small scale sewage treatment plants for residential/commercial complexes (25 Nos.).
- (ix) Preparation of adequacy/efficacy reports for small scale industrial effluent treatment plants (54 Nos.).

- (x) Preparation of adequacy/efficacy reports for small scale air pollution control systems (65 Nos.).

## (e) Other Responsibilities/Contributions

- (i) Co-Guest Editor, International Journal of Environment and Waste Management (IJEWM) Special issue on: "Urban Air Pollution: Problems, Control Technologies and Management Practices" (2008).
- (ii) Executive Board Member, Indian Association for Air Pollution Control, Delhi Chapter
- (iii) Chairman, Technical Committee, National Accreditation Board of Education & Training, QCI, India
- (iv) Chairman, University Grievance Committee, **Jamia Millia Islamia**
- (v) Chairman, University Shodhganga Committee, **Jamia Millia Islamia**
- (vi) Member University Patent Committee, **Jamia Millia Islamia**
- (vii) Member University Vision Committee – 2020, **Jamia Millia Islamia**
- (viii) Chaired a Session Safety Convention 2015 on Incorporating safety in Habitat and Smart Cities, 3<sup>rd</sup> – 5<sup>th</sup> September 2015, The Institution of Engineers (India) Delhi State Centre, New Delhi, India
- (ix) Chaired, Evaluation Session of a Refresher Course Organized By UGC–Academic Staff College, JMI
- (x) Chaired, Purchase Committee in Environment and transport Division, CRRI, New Delhi - 110020
- (xi) Member, Technical Committee in Environment and transport Division, CRRI, New Delhi - 110020
- (xii) Member, Selection Committee for Research Interns (three times), CRRI, New Delhi – 110020
- (xiii) Faculty Incharge, Environmental Engineering Laboratory - II since 2003 till date
- (xiv) Faculty Incharge, Attendance Compilation (M Tech – Environmental Science & Engg/Earthquake Engg.
- (xv) Member, M Tech (Environmental Science & Engg) Syllabus Revision Committee
- (xvi) Member, B Tech (Environmental Engg.) Syllabus Revision Committee
- (xvii) Member, B.E. (Environmental Engg.) Syllabus Revision Committee
- (xviii) Member, M. Tech (Earthquake Engineering) Interview Committee (2011)
- (xix) Member, M. Tech (Environmental Sc. & Engg) Interview Committee (2009)
- (xx) Member, M. Tech (Environmental Sc. & Engg) Interview Committee (2006)
- (xxi) Superintendant, B. Tech Entrance Examinations (2014) Jamia Millia Islamia, New Delhi – 110025
- (xxii) Observer, B. Tech Entrance Examinations (2015) Jamia Millia Islamia, New Delhi – 110025
- (xxiii) Observer, B. Tech Entrance Examinations (2016) Jamia Millia Islamia, New Delhi – 110025
- (xxiv) Observer, B. Tech Entrance Examinations (2017) Jamia Millia Islamia, New Delhi – 110025

- (xxv) Assistant Superintendant, B. Tech Entrance Examinations (2002), Jamia Millia Islamia, New Delhi – 110025
- (xxvi) Assistant Superintendant, B. Tech Entrance Examinations (2003) Jamia Millia Islamia, New Delhi – 110025
- (xxvii) Assistant Superintendant, B. Tech Entrance Examinations (2007) Jamia Millia Islamia, New Delhi – 110025
- (xxviii) Assistant Superintendant, B. Tech Entrance Examinations (2012) Jamia Millia Islamia, New Delhi – 110025
- (xxix) Served as Judge in IEEE for environmental events, Jamia Millia Islamia, 2010

## PERSONAL DETAILS

Name : Dr Kafeel Ahmad  
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 Father's Name : Mr Mohammad Hasan  
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 Wife's Name : Mrs Noor Sami  
 Number of Children : 03 (One Daughter, Two Sons)

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