

**CU  
RICULUM VITAE**



**NAME**

**QAMAR RAHMAN**

**DATE OF BIRTH**

**August 15, 1944**

**NATIONALITY**

**Indian**

**ADDRESS (OFFICE)**

**Dean, Research & Development  
INTEGRAL UNIVERSITY  
Dasauli, Post: Bas-ha,  
Kursi Road,  
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**ACADEMIC CAREER**

**MSc in Chemistry, 1967 Agra University, Agra.  
PhD in Chemistry, 1974 Agra University, Agra  
Thesis "Chemical aspects of the toxicity of mineral  
fibres".**

**Present Positions**

**Dean Research. & Development,  
Integral University Lucknow**

**Expert Consultant:**

**Dept. Pulmonary Medicine,  
King George Medical University, Lucknow**

**Adjunct Professor:**

**Hamdard University, Delhi**

**Emeritus Scientist,**

**Indian Institute of Toxicological Research**

**NUMBER OF PUBLICATIONS**

**Number of full papers**

**130**

**ACADEMIC EXPERIENCE****Nov. 1981 – Oct. 1982****Visiting Scientist (Food and Drug Administration, FDA) at National Centre for Toxicological Research. Jefferson, AR. USA.****Nov. 1983 – Jan. 1984****Visiting Fellow (University Grant Commission, UGC), Dept. of Biochemistry, Aligarh Muslim University, Aligarh, India.****May 1987 – July 1987****Visiting Scientist (CSIR - CNRS) at Centre d'Hematologie, Toulouse & Creteil University, Paris, France.****July 1987****Visiting Scientist (CSIR, India), Institute of Occupational Medicine, Edinburgh, UK.****Sept.1988****Visiting Scientist (National Institute for Environmental Health Sciences, NIEHS), Research Triangle Park, NC, USA.****Aug. 1993 – Jan. 1994****Visiting Scientist (Duke University) at Environmental Protection Agency (EPA), Research Triangle Park, NC, USA****Apr. 1994 – June 1994****Visiting Scientist (CSIR-Deutscher Akademischer Austauschdienst, DAAD) Forschungszentrum Karlsruhe (KFK), Toxicology Institute, Karlsruhe, and Institute for Physiological, Chemistry, University of Düsseldorf, Germany.****July 1994 – Aug. 1994****Visiting Scientist (US-EPA), at EPA, Research Triangle Park, NC, USA.****June 1996 – July 1996****Visiting Scientist at Forschungszentrum Karlsruhe (KFK), Toxicology Institute, Karlsruhe, Germany.****Sept. 1996****Visiting Scientist (NIEHS) at NIEHS, Research Triangle Park, NC, USA.****June 1998 – Sept. 1998****Visiting Scientist (CSIR-DLR) at University of Rostock, Rostock, Germany.****July 1999 - Oct. 1999****Visiting Scientist (CSIR-DLR), at University of Rostock, Rostock, Germany.****June 2001 – August. 2001****Visiting Scientist (CSIR-DLR), at University**

<b>Sept. 2001 – Sept. 2001</b>	<b>of Rostock, Rostock, Germany.</b>
<b>Sept. 2001 – Sept 2001</b>	<b>Centre for Cancer Research, Rush University, Chicago, USA.</b>
	<b>Environmental Health Sciences Dept. University of California Berkeley, USA.</b>
<b>July 2002 – July 2002</b>	<b>Columbia University, New York, USA,</b>
<b>August 2002 - Sept. 2002</b>	<b>Visiting Scientist (CSIR-DLR), at University of Rostock, Rostock, Germany.</b>
<b>Sept. 2002 – Sept. 2002</b>	<b>Norwegian Institute for Air Research, Kjeller, Norway.</b>
<b>Sept. 2002 – Sept. 2002</b>	<b>International Agency for Research on Cancer, Lyon, France</b>
<b>Sept. 2003 – Oct. 2003</b>	<b>Visiting Scientist (CSIR-DLR), at University of Rostock, Rostock, Germany.</b>
<b>June 2004 – June 2004</b>	<b>Italian National Institute of Health Rome, Italy.</b>
<b>July 2004 – Sept. 2004</b>	<b>Visiting Professor (DAAD), at University of Rostock, Rostock, Germany.</b>
<b>June 2005 – June 2005</b>	<b>Environmental Health Sciences Dept. University of California Berkeley, USA.</b>
<b>July 2005 – August 2005</b>	<b>Visiting Professor (DAAD), at University of Rostock, Rostock, Germany.</b>
<b>August 2005 – August 2005</b>	<b>National Institute of Occupational Health, Oslo, Norway</b>
<b>Sept. 2005 – Sept 2005</b>	<b>National Institute of Environmental and Health Sciences, TRP, NC, USA.</b>
<b>April 2006 – April 2006</b>	<b>National Center of Excellence in Molecular Biology University of the Panjab, Lahore, Pakistan.</b>
<b>June 2006 – July 2006</b>	<b>Visiting Scientist Dept. Oncology, University of Massachusetts, Medical School, MA, USA.</b>
<b>August 2006 – Sept. 2006</b>	<b>Visiting Professor at University of Rostock, Rostock, Germany.</b>
<b>July 2007 – August 2007</b>	<b>Visiting Professor at University of Rostock, Rostock, Germany.</b>
<b>July 2008 – August 2008</b>	<b>Visiting Professor at University of Rostock, Rostock, Germany.</b>

## **RESEARCH EXPERIENCE**

**Actively engaged in the research of chemical and biological aspects of the toxicity of occupational and environmental particulate air pollutants (fibres, particles and**

nanoparticles) from the last 37 years.

## RESEARCH INTERESTS

**Pulmonary Biochemistry.**

**Biochemical and molecular aspects of the toxicity of particulate air pollutants.**

**Genotoxicity.**

**Molecular epidemiology.**

**Nanotoxicology.**

## AWARDS & ACTIVITIES

1. Merit promotion awarded by CSIR, Government of India, 1984. (Fast track promotion, to higher grade, due to excellence in work).
2. US Food & Drug Administration's Visiting Scientist Fellowship with highest numeration in ITRC, 1981.
3. University Grant Commission (UGC, Aligarh University) Visiting Fellowship, 1984.
4. Represented CSIR and Chaired a session in a Commonwealth Science Council-sponsored Workshop, Dhaka, Bangladesh 1987.
5. Served as a member of organising committee of the 3<sup>rd</sup> International Workshop: In-Vitro Effects of Mineral Dusts, Schluchsee, Germany, 1984.
6. Served as a member of the organising committee and chaired a session in the 4<sup>th</sup> International Workshop: In Vitro Effects of Mineral Dusts on Cells, Quebec, Canada, 1988.
7. Served as a subject expert in making a video film on, Women and their Occupational Hazards, a project sponsored by Commonwealth Science Council, UK, 1990.
8. On the basis of extensive research, the above film got the Best Video Film Award for the year 1991-1992 from the Government of India.
9. Served as a member of the organising committee of the Asian Workshop, Technological Changes and Women Towards the 21<sup>st</sup> Century, sponsored by Commonwealth Science Council, UK, 1990.
10. Served as joint secretary in the International Organising Committee of the 2<sup>nd</sup> Congress of Toxicology in Developing Countries, India, 1991.
11. Organised an International Symposium on, Safe Use of Asbestos, India, 1991.
12. Served as a member of the organising committee and chaired a session in the 5<sup>th</sup> International Workshop: In Vitro Effects of Mineral Dusts on Cells, Paris, France, 1993.
13. Chaired a session in the 6<sup>th</sup> International Workshop: Toxicity of Natural and man-made Fibrous and Non-Fibrous Particles, Lake Placid, USA, 1996.
14. As chairperson of Human Resource Development Committee of ITRC since 1998 organised several training programs and workshops for governmental and industrial staff members related to toxicology and environmental issues.
15. Chaired a session in the 7<sup>th</sup> International Workshop on Particles Maastricht, The Netherlands, Oct. 12 to 15, 1999.
16. Chief Organiser of the International Conference on Environmental and Occupational Lung Diseases held at Lucknow, India, Oct. 29 to Nov 3, 2000.
17. Chief Organiser of the Indo-German workshop on Health effects of fibres and particles, held at Lucknow, Nov.2-3, 2000.
18. In the Editorial Board of the Journal of Arousal.
19. In the Editorial Board of the Journal of Chest Diseases and Allied Sciences.
20. Elected Fellow of the National Academy of Sciences, India (2000).

21. Appointed Adjunct Professor at Jamia Hamdard Delhi in 2001.
22. Chaired a session in the 9<sup>th</sup> Int. Conf. on Indoor Air 2002, Monterey, USA.
23. Awarded UP-RATNA, 2003 (award on life achievements).
24. Elected Fellow of the Society of Toxicology India 2003.
25. Chaired a session in the 8<sup>th</sup> International Conference on Mechanism of action of Inhaled Fibers, Particles and Nanoparticles in lung and Cardiovascular Diseases at Research Triangle Park, USA 2005.
26. Chaired 2 sessions in the International conference Women, Work and Health, 2005, New Delhi, India.
27. In the Editorial Board of the journal of Inhalation Toxicology.
28. In the Editorial board of the Journal "Biology and Medicine".
29. Lucknow Management Association, on the 8<sup>th</sup> March 2009, felicitated as Women Achiever on the International Women's Day and gave life time achievement award.

#### **MEMBERSHIP OF LEARNED SOCIETIES & COMMITTEES**

1. Served as Member of Scientific Advisory Committee of All India Radio.
2. Member of the Society of Biological Chemists, India.
3. Founder Member of the Society of Toxicology, India.
4. Member of the Indian Association of Occupational Health.
5. Member of the Environmental Mutagen Society, India.
6. Served as Member of the Indian Standards Institute (ISI), Panel on AIR Pollution, India.
7. Served as Member of Directorate General Trade and Development, Panel on Asbestos, India, to the Ministry of Labour
8. Served as Member of the Expert Group for Studying Asbestos Substitutes in the Asbestos Product Industry, to the Ministry of Labour.
9. Served as Member of the Expert Panel Committee of Marine Research, Govt. of India, to the Ministry of Ocean development.
10. Member of the American College of Toxicology (from 1981 to 1985)
11. Member of Third World Organisation for Women in Science, Third World Science Organisation, Italy.
12. Served as Member of the Expert Committee, Industry, to the Ministry of Environment and Forest, Govt. of India.
13. Member of the New York Academy of Science.
14. Member of the International Council for Scientific Development, International Academy of Science (IAS), Austria.
15. Member of the Scientific Advisory Committee of the Central Pollution Control Board.
16. Served as chairperson of the Library Committee in ITRC, Government of India
17. Member of the Ph.D. Research Committee, ITRC of the Government of India.
18. Served as chairperson of the Human Resource Development Committee in ITRC, Government of India.
19. Served as Business Management Committee of the ITRC Govt. of India.
20. Served as member Planning Committee of the ITRC Govt. of India.
21. In the Board of Studies of Aligarh Muslim University, Aligarh.

#### **EXAMINATION AND GUIDANCE OF GRADUATE STUDENTS AND POSTDOCS**

1. Ph.D. degrees awarded to twenty-five students under my guidance from Aligarh, Kanpur Meerut, Ambedkar and Hamdard Universities.
2. Presently, four students are working under my guidance for Ph.D.

## **PRINCIPAL INVESTIGATOR OF THE PROJECTS:**

- 1. Indo-US collaborative, "Biochemical Effects of Particulate Air Pollutants on Lungs". Sponsored by the Environmental Protection Agency, USA. 1979-1984.**
- 2. Department of Environment, State Government of Uttar Pradesh, India, Sponsored, "Studies on the Correlation of Clinical Symptoms with Dust Exposure in Asbestos Workers". 1985-1988.**
- 3. Indo-US collaborative, "Biochemical Effects of Particulate Air Pollutants on Lung". Sponsored by the Environmental Protection Agency, USA, 1994-1996.**
- 4. Commonwealth Science Council (London) Sponsored, "Women and their Occupational Hazards". 1988-1990.**
- 5. Ministry of Environment and Forest, Government of India Sponsored, "Epidemiological Studies in the Carpet Industry". 1998 -2002.**
- 6. Council of Scientific and Technical Research, State Government of Uttar Pradesh, India Sponsored, "Follow-up-Studies in an Asbestos Cement Factory". 1997-1999.**
- 7. CSIR-sponsored (In house), "Mechanisms of the Toxicity of Fibers/Particles". 1984 -2002.**
- 8. Indo-US collaborative project "Case control Study on Pulmonary Tuberculosis and Indoor Air pollution", Fogarty International Program. (Advisor)**
- 9. Indo-German Collaborative project, "Genotoxicity of asbestos", sponsored by CSIR-DLR 1998-2003.**
- 10. Central Pollution Control Board, Govt. of India, Sponsored "Human Risk Assessment studies in Asbestos Industries in India: recommendations for health hazard prevention". 2001-2003**
- 11. CSIR sponsored project, "Role of factors including genetic predisposition for accelerated asbestosis in an exposed population", 2004-2009.**
- 12. European Union sponsored project, "Environment and Health", 2006 to 2010.**