

Brief Profile (CV)



Prof. S. Raisuddin

**Department of Medical Elementology & Toxicology
and Centre for Translational & Clinical Research**

Jamia Hamdard (Hamdard University)

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Google scholar profile: <http://scholar.google.co.in/citations?user=XIETYyMAAAAJ&hl=en>

Dr. (Prof.) Raisuddin is an academician, academic administrator and active researcher with a track record of over 25 years. He did his doctoral thesis (Ph.D.) work at the Indian Institute of Toxicology Research, IITR (a CSIR national laboratory), Lucknow. Initially, he worked as Scientist at IITR, Lucknow and Bose Institute, Kolkata. In 1994, he joined Jamia Hamdard (Hamdard University), New Delhi as a faculty in the Department of Medical Elementology & Toxicology. He was selected as Commonwealth Fellow in 2002 and worked for about a year at the University of Plymouth, UK as Visiting Scientist in 2003. In 2004, he visited Czech Republic under India National Science Academy (INSA) programme and spent three months as Visiting Scientist at RECETOX (an EU Centre of Excellence), Brno. For two years (2006-08) he was at Hanyang University (among top 5 Korean Universities), Seoul, South Korea as Professor.

He has guided 33 scholars for Ph.D. thesis as either supervisor or co-supervisor and several PG students for their dissertation work. He has published over 130 research papers, reviews and book chapters. His current citation index (April 2014) is over 3200 with an *h* index of 31. He has been one of the contributors to over 90 GenBank submissions of cDNA sequences.

Having made mark in his field of specialization, Dr. Raisuddin has been appointed as a member of editorial board of over a dozen international journals that includes SCI –indexed journals such as *Biomarkers* (Informa Healthcare), *Ecotoxicology* (Springer) and *Phytotherapy Research* (Wiley). He is also Member of the Advisory Board of Toxicology International (Official Journal of STOX, India). Besides, he is the Editor-in-chief of Journal of Environmental Trace Element Analysis (Columbia International Publishing, USA). He is life member of several professional bodies including life membership of Indian Science Congress Association. He was the Organizing Secretary of 30th Conference of STOX (India) in 2010. He is a Commonwealth Fellow of British Council (UK), Brain Pool Fellow of Korean Federation of Science & Technology Societies, Fellow of Society of Toxicology and Fellow of Academy of Environmental Biology.

He has been the Head of the Department of Medical Elementology and Toxicology for three years (March 2012 – May 2015) and is currently Head of the Centre for Translational & Clinical Research. He is also the Advisor (Research) since April 2010 and facilitates the research programmes and fellowships, national and international research collaborations, IPR issues and physical and human resource research capacity building. He is also the Director of Internal Quality Assurance Cell (IQAC) of Jamia Hamdard since August 2011 facilitating the quality culture in academic, research and administrative activities of the University. He has been Director of Directorate of Open and Distance Learning, Jamia Hamdard from August 2009 to December 2012.

Teaching assignment

M.Sc. (Toxicology)

- Foundation Course (Semester – I)

- Principles of Toxicology (Semester – I)
- Systemic Toxicology (Semester – III)
- Molecular Toxicology (Semester – III)
- Methods of Toxicology (Semester – IV)

M.Sc. (Clinical Research)

- Foundation Module (Semester – I)

Ph.D. Course Work

- Research Methodology
- Principles of Toxicology
- Methods of Toxicology

Appointments (in India)

Position	Institution/University	Duration
Professor	Department of Medical Elementology & Toxicology, Jamia Hamdard	August 2009 – to date
Reader/Associate Professor	Department of Medical Elementology & Toxicology, Jamia Hamdard, New Delhi	August 2003 – August 2009
Lecturer/Assistant Professor	Department of Medical Elementology & Toxicology, Jamia Hamdard, New Delhi	August 1994 – August 2003
Scientist	Immunotechnology Section, Bose Institute, Kolkata	January 1993- August 1994
Scientist	Preventive Toxicology Section, CSIR-Indian Institute of Toxicology Research, Lucknow	November 1991 – January 1993

Appointments/Assignment (international)

Position	Institution/University	Duration
Research Professor	Department of Molecular and Environmental Biosciences and Department of Chemistry, Hanyang University, Seoul, South Korea	August 2006 – August 2008
Visiting Scientist	School of Life Sciences, University of Plymouth, Plymouth, UK	February – September 2003
Visiting Scientist	Research Centre for Environmental Chemistry & Ecotoxicology (RECETOX), Masaryk University, Brno, Czech Republic	November 2004 – February 2005

Education

Ph.D.: Indian Institute of Toxicology Research (formerly Industrial Toxicology Research Centre), Lucknow (degree awarded by Dr. R.M. Lohia University (Avadh University), Faizabad): 1994

M.Sc.: Lucknow University, Lucknow: 1983

B.Sc.: Lucknow Christian College (Lucknow University), Lucknow: 1981

CSIR - NET: 1986

Awards and Honours

- **Brain Pool Fellow**, Korean Federation of Science & Technology Societies (KOFST), South Korea: 2006
- **Fellow, Society of Toxicology (India):** 2006
- **Fellow, Academy of Environmental Biology (India):** 2006
- **Honorary Lifetime Member**, Turkish Society of Toxicology (TST). Turkey: 2006
- **Commonwealth Fellow, British Council, United Kingdom:** 2002

Membership of Professional Societies

1. Life Member, National Academy of Sciences (NASI), India
2. Life Member, Indian Science Congress Association (ISCA), India
3. Life Member, Society of Toxicology (India)
4. Life Member, Environmental Mutagen Society of India
5. Life Member, the Academy of Environmental Biology, India
6. Life Member, Indian Immunology Society, India
7. Life Member, Society of Biological Chemists, India
8. Life Member, Association of British Scholars
9. Honorary Life Member, Turkish Society of Toxicology (TST), Turkey
10. Member, International Society for the Study of Xenobiotics (ISSX), Japan
11. Member, Society of Environmental Toxicology and Chemistry (SETAC), USA
12. Member, the Korean Society for Molecular and Cellular Biology, Korea
13. Member, Advisory Board, Society of Cell Biology and Cytogenetics (India)

Membership of Editorial Boards of Journals

1. Editor-in-Chief, Journal of Trace Element Analysis (Columbia Scientific Publishing, USA)
2. Member, Editorial Board, Phytotherapy Research (SCI journal published by Wiley)
3. Member, Editorial Board, Biomarkers (SCI journal published by Taylor & Francis)
4. Member, Editorial Board, Ecotoxicology (SCI journal published by Springer)
5. Member, Advisory Board, CLEAN- Soil, Air, Water (SCI journal published by Wiley- VCH)
6. Member, Editorial Board, International Journal of Environmental Studies (Taylor & Francis)
7. Member, Advisory Board, Toxicology International (India)
8. Member, Editorial Board, Oriental Journal of Pharmacy & Experimental Medicine (South Korea)
9. Member, Editorial Board, African Journal of Agricultural Research (Nigeria)
10. Member Editorial Board, Agricultural and Biological Research (India)
11. Member, Editorial Advisory Board, the Open Environmental Sciences (Bentham Science Publishers)
12. Member, Editorial Advisory Board, Molecular and Cellular Toxicology (Springer, Korean Society of Toxicogenomics and Toxicoproteomics, Korea)
13. Member, Editorial Board, Journal of Translational Toxicology (American Scientific Publishers)

Other Editorial Activities: Guest co-editor of Special Issue of International Journal of Environmental Studies (Taylor & Francis) on "Vietnam Environment" with Professor Trien Nguyen, University of Waterloo, Ontario, Canada [May 2009].

Ph.D. scholars mentored

As Supervisor: 21; as co-supervisor: 12

Current Ph.D. scholars enrolled: As Supervisor: 6; as co-supervisor: 10

Sponsored research projects completed: 08

Conferences, Seminars and Workshop Organized

1. Organizing Secretary, "Indo-UK Seminar on Biomarkers of Ecotoxicity, Cancer, Monitoring and Prevention", Hamdard University, New Delhi (August 2004).
2. Organizing Secretary, "WHO-sponsored Workshop of Environmental Toxicology and Health Impact Assessment", Hamdard University, New Delhi (September 2002).
3. Organizing Secretary, "30th Annual Conference of Society of Toxicology (India)", Hamdard University (December 2010).
4. Chairman, Organizing Committee, "Workshop on GCP and Clinical Trial Methodology" organized by Jamia Hamdard in collaboration with Clinifora and Catalyst Clinical Services (February 25, 2012).
5. Chairman, Organizing Committee "Workshop on Recent Changes in Regulatory Scenario of India with Respect to Clinical Trials" at Jamia Hamdard, New Delhi in collaboration with Auriga Research (April 10, 2013).
6. Organizing Secretary, "Symposium on Contemporary Regulatory Scenario in Pharmacovigilance" at Jamia Hamdard sponsored by UGC (March 5, 2014).
7. Organizing Secretary, Brain-storming session on "Evolving trends in safety regulations for cosmetics in India" Organized in collaboration with Indian Pharmacological Society (IPS), Society of Toxicology (STOX) and Indian Beauty and Hygiene Association (IBHA) (May 26, 2014).
8. Organizing Secretary, "Indo-US Workshop on Advanced Workshop on Multicolor Flow Cytometric Immunophenotyping" sponsored by UGC and ISAC at Jamia Hamdard (October 27-28, 2014).
9. Organizing Secretary, "Mini-Symposium on Applications of Flow Cytometry in Plant and Crop Research" in collaboration with BD Biosciences and International Society for Advancement of Cytometry (ISAC) (December 10, 2014).
10. Organizing Secretary "Workshop on Effective Soft Skills for Clinical Research" in collaboration with Harison's Tech Consultants (April 9, 2015).

Publications: 136

Research papers- 118; Reviews- 4; Book (edited)- 1; Book chapters- 7; Book review- 2; Articles in conference proceedings- 2; Meeting reports- 2.

Citation Summary (Scopus as on June 30, 2015)

Scopus documents - 116

<2001	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
60	26	37	62	56	73	118	126	154	265	334	424	437	397	435	97	3101

H index- 31

GenBank submissions of cDNA sequences: 92 (as collaborator)

Publications in last 5 years

2015 [8 upto June 30, 2015]

Lee JW, Won E-J, **Raisuddin S**, Lee J-S (2015). Significance of adverse outcome pathways in biomarker-based environmental risk assessment in aquatic organisms. **J. Environ. Sci.** (in press) – Review.

Tabassum H, Afjal MA, Khan J, **Raisuddin S**, Parvez S (2015). Neurotoxicological assessment of pendimethalin in freshwater fish *Channa punctata* Bloch. **Ecol. Indic.** (in press).

Panigrahi GK, Ratnasekhar CH, Mudiam MKR, Vashishtha VM, **Raisuddin S**, Das M (2015). Activity guided chemo toxic profiling of *Cassia occidentalis* (CO) seeds: Detection of toxic compounds in body fluids of CO exposed patients and experimental rats. **Chem. Res. Toxicol.** 28: 1120–1132.

Panigrahi GK, Yadav A, Srivastav A, Tripathi A, **Raisuddin S**, Das M (2015). Mechanism of rhein induced apoptosis in rat primary hepatocytes: beneficial effect of cyclosporine A. **Chem. Res. Toxicol.** 28: 1133–1143.

Rahman S, Farooque A, Anjum S, Ansari RA, Adhikari JS, Dwarakanath BS, **Raisuddin S** (2015) Nordihydroguaiaretic acid inhibits tacrolimus-induced augmentation of mouse skin tumorigenesis. **Chemico-Biological Interact.** 233: 106-114.

Sehar N, Agarwal NB, Vohora V, **Raisuddin S** (2015). Atorvastatin prevents development of kindling by modulating hippocampal levels of dopamine, glutamate, and GABA in mice. **Epilep. Behav.** 42: 48-53.

Chaudhary S, Iram S, **Raisuddin S**, Parvez S (2015). Manganese pre-treatment attenuates cadmium induced hepatotoxicity in Swiss albino mice. **J. Trace Elem. Med. Biol.** 29: 284–288.

Chaudhary S, Ganjoo P, **Raisuddin S**, Parvez S (2014) Nephroprotective activities of quercetin with potential relevance to oxidative stress induced by valproic acid. **Protoplasma** 252: 209–217.

2014 [5]

Waseem M, Pandey P, Tomar B, **Raisuddin S**, Parvez S (2014) Ameliorative action of curcumin in cisplatin-mediated hepatotoxicity: An in vivo study in Wistar rats. **Arch. Med. Res.** 45: 462-468.

Shukla S, Rizvi F, **Raisuddin S**, Kakkar P (2014) FoxO proteins' nuclear retention and BH3-only protein Bim induction evoke mitochondrial dysfunction-mediated apoptosis in berberine-treated HepG2 cells. **Free Radic. Biol. Med.** 76C: 185-199.

Panigrahi G, Yadav A, Yadav A, Ansari KM, Chaturvedi RK, Vashishtha VM, **Raisuddin S**, Das M (2014). Hepatic transcriptional analysis in rats treated with *Cassia occidentalis* seed: Involvement of oxidative stress and impairment in xenobiotic metabolism as a putative mechanism of toxicity. **Toxicol. Lett.** 229: 273-283.

Panigrahi G, Tiwari S, Ansari KM, Chaturvedi RK, Khanna VK, Chaudhari BP, Vashishtha VM, **Raisuddin S**, Das M (2014). Association between children death and consumption of *Cassia occidentalis* seeds: Clinical and experimental investigations. **Food Chem. Toxicol.** 67: 236-248.

Narang I, Bharota I, **Raisuddin S**, Jain G, Agarwal N (2014). A newer dimension to regulation of ethics committees in India. **Clin. Res. Regul. Aff.** 31: 1-5.

2013 [1]

Saba, Khan S, Parvez S, Chaudhari B, Ahmad F, Anjum S, **Raisuddin S** (2013). Ellagic acid attenuates bleomycin and cyclophosphamide-induced pulmonary toxicity in Wistar rats. **Food Chem. Toxicol.** 58:210 - 219.

2012 [2]

Ahmad F, Rashid H, Bhatia K, Rehman H, Kaur M, Anjum S, Ansari RA, **Raisuddin S** (2012). Modulatory effect of a Unani formulation (*Jawarish amla sada*) on cyclophosphamide-induced toxicity in tumour bearing mice. **Br. J. Med. Med. Res.** 2: 254 - 268.

Raisuddin S, Kaur M, Ahmad F (2012). Ecotoxicological implications of nanomaterial. In: *Nanomaterials and Hazard Assessment*, Mohanan, P.V (ed.), Educational Book Centre, Mumbai, pp. 307-324. [Book chapter].

2011 [8]

Anjum S, Rahman S, Kaur M, Ahmad F, Rashid H, Ansari RA, **Raisuddin S** (2011). Melatonin ameliorates bisphenol A-induced biochemical toxicity in testicular mitochondria of mouse. **Food Chem. Toxicol.** 49: 2849-2854.

Kaur M, Atif F, Ansari RA, Ahmad F, **Raisuddin S** (2011). The interactive effect of elevated temperature on deltamethrin- induced biochemical stress responses in *Channa punctata* Bloch. **Chem. Biol. Interact.** 193:216-224.

Shukla M, Kumar P, Mishra V, Chaudhari BP, Munjal AK, Tripathi SS, **Raisuddin S**, Paul BN (2011). Carryover of cigarette smoke effects on hematopoietic cytokines to F(1) mouse litters. **Mol. Immunol.** 48:1809-1817.

Misra A, Kumar R, Mishra V, **Raisuddin S**, Das M, Dwivedi PD (2011). Potential allergens of green gram (*Vigna radiata* L. Millsp) identified as members of cupin superfamily and seed albumin. **Clin. Exp. Alleg.** 41:1157-1168.

Tripathi M, Singh BK, **Raisuddin S**, Kakkar P (2011). Abrogation of nimesulide induced oxidative stress and mitochondria mediated apoptosis by *Fumaria parviflora* Lam. Extract. **J. Ethnopharmacol.** 136:94-102.

Rehman H, Mohan A, Tabassum H, Ahmad F, Rahman S, Parvez S, **Raisuddin S** (2011). Deltamethrin increases *Candida albicans* infection susceptibility in mice. **Scand. J. Immunol.** 73: 459-464.

Rahman S, Ansari RA, Rehman H, Parvez S, Athar M, **Raisuddin S** (2011). Nordihydroguaiaretic acid from Creosote bush (*Larrea tridentata*) mitigates 12-O-tetradecanoylphorbol-13-acetate-induced inflammatory and oxidative stress responses of tumor promotion cascade in mouse skin. **Evid. Based Complement. Alternat. Med.** Volume 2011, Article ID 734785, 10 pages; DOI:10.1093/ecam/nep076.

Ansari RA, Rahman S, Kaur M, Anjum S, **Raisuddin S** (2011). *In vivo* cytogenetic and oxidative stress-inducing effects of cypermethrin in freshwater fish, *Channa punctata* Bloch. **Ecotoxicol. Environ. Saf.** 74: 150-156.

2010 [5]

Tyagi S, Bhui K, Singh R, Singh M, **Raisuddin S**, Shukla Y (2010). Polo-like kinase1(Plk1) knockdown enhances cisplatin chemosensitivity via up-regulation of p73 α in p53 mutant human epidermoid squamous carcinoma cells. **Biochem. Pharmacol.** 80:1326-1334.

Tabassum H, Parvez S, Pasha TS, Banerjee TS, **Raisuddin S** (2010). Protective effect of lipoic acid against methotrexate-induced oxidative stress in liver mitochondria. **Food Chem. Toxicol.** 48: 1973–1979.

Singh N, Kumar D, Lal K, **Raisuddin S**, Sahu AP (2010). Adverse health effects due to arsenic exposure: Modification by dietary supplementation. **Toxicol. Appl. Pharmacol.**, 242: 247-255.

Tripathi M, Singh BK, Mishra C, **Raisuddin S**, Kakkar P (2010). Involvement of mitochondria mediated pathways in hepatoprotection conferred by *Fumaria parviflora* Lam. extract against nimesulide induced apoptosis in vitro. **Toxicol. In vitro** 24: 495-508.

Agarwal R, **Raisuddin S**, Tewari S, Goel SK, Raizada RB, Behari JR (2010). Evaluation of comparative effect of pre and post treatment of selenium on mercury induced oxidative stress, histological alterations and metallothionein mRNA expression in rats. **J. Biochem. Mol. Toxicol.** 24: 123-35.

For complete list of publications visit <http://scholar.google.co.in/citations?user=XIETYyMAAAAJ&hl=en>