

Professor Mahdi Balali-Mood MD, PhD, FTWAS, FCAcad

Education

- **PhD, Clinical Pharmacology & Toxicology**, University of Edinburgh, UK (1981)
- **MD, Medicine**, University of Tehran, Iran (1970)
- **BSc (Hons), Chemistry**, Tarbiat Moallem University, Tehran, Iran (1964)



Academic Positions

- **Emeritus Professor of Medicine and Toxicology** (2017-present) Academic Member, Mashhad University of Medical Sciences, Iran (1982-2017)
- **Visiting Professor** in Medical Toxicology Centre, Newcastle University, UK (2007–2013)
- **Lecturer** in Clinical Toxicology, University of Edinburgh, UK (1981-1982)
- **Lecturer** in Forensic Medicine and Clinical Toxicology, Faculty of Medicine, Mashhad University, Iran (1975-1978)

Capacity Building & Leadership

- **Co-Founded the Asia Pacific Association of Medical Toxicology (APAMT) in 1989**, Vice President 1989-1993, **President 1994–2001**.
- Founded and Directed Medical Toxicology Centre; Poisons Treatment Centre and Analytical Toxicology Laboratory in Imam Reza Hospital, Mashhad University (1982-2015)
- **Established the University Department of Clinical Toxicology** in Imam Reza Hospital, Mashhad University of Medical Sciences and **led the first medical toxicology fellowship programme in Iran, (2010-2017)**.
- **Founded Iran's first Medical Toxicology Research Centre (MTRC)** in Mashhad University of Medical Sciences (2007), and was the **Director of MTRC (2007-2017)**.
- **Co-Founded the Iranian Society of Toxicology (IranTox)**, first President (1992-1998) and **elected President (2001–2003)**.
- **Co-founded Iran's National Examination Board of Toxicology** (1987), chairman (1987-2001)

- Designed and led national and regional training in clinical toxicology and disaster medicine (CBRN) for healthcare professionals in Iran and across Asia (1982-2011)
 - Trained successive generations of clinicians and scientists through supervision of 105 theses (56 medical, 24 Pharm.D. and 25 PhD/MSc theses) (1977-2021)
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Key Honours and Awards

- Elected Fellow, The International CORE Academy of Sciences and Humanities (Class of 2025)
 - Top 1% citation performance in Pharmacology & Toxicology (Clarivate Essential Science Indicators ESI; (2023-2025))
 - Highest Honour, Iranian Academy of Medical Sciences (2025)
 - Iran's National Elites Foundation, Allameh Tabatabaei Award (2019)
 - OPCW–The Hague Award, established with the Organisation's Nobel Peace Prize funds (2015)
 - Order of Research, Expertise Award Badge of Honour, Iran (2011)
 - Laureate of the Alireza Yalda Foundation's Highest International Award (2011)
 - Honorary fellow, Asia Pacific Association of Medical Toxicology Medal (2011)
 - Elected Permanent Fellow, World Academy of Sciences (TWAS), (1997)
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International Advisory Roles and Collaborations

- **WHO clinical toxicology advisor** on Chemical Warfare Agents (CWA) and Toxic Chemicals (1989-present)
- **Vice-Chairman, Scientific Advisory Board**, Organisation for the Prohibition of Chemical Weapons (OPCW), (2005–2012)
- **Programme Advisory Committee (PAC) Member**, International Programme on Chemical Safety (IPCS), (2000 to 2006)

Key Contributor to IPCS, projects including INTOX; advancing the poisons information and control centres in developing worlds (1989-2011)

- **Conference leadership roles include:**
 - Member of International Advisory Board for Second Chemical Weapon Convention Review Conferences, IUPAC-OPCW, Zagreb, Croatia (2007)
 - President of the 3rd International Congress of the Asia - Pacific Association of Medical Toxicology, Penang, Malaysia (2001).
 - Chairman of the First International Congress of the Asia - Pacific Association of Medical Toxicology and the Fifth Iranian Congress of Toxicology and Poisoning, Tehran, Iran, (1997).
 - Organiser of the 3rd Iranian Congress of Toxicology and the WHO International Workshop of Poisons Control Centre, Mashhad (1993).
 - Chairman of Organising and Scientific Committees, 7th Iranian International Congress of Physiology and Pharmacology, Mashhad, Iran (1985).
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Selected Editorial Contributions

- Editor-in-Chief, Journal of Translational Medical Research (formerly named JBUMS) (2002-present)
 - Associate Editor, Avicenna of Phytomedicine Journal (2015-present).
 - Associate Editor, Journal of Emerging Health Threats (2005 -2012)
 - Editorial/Advisory member of a number of journals including Mashhad Medical School (1982 to date), Archives of Iranian medicine (1990-present) Medical Chemical Defense (2002-2004), Medical CBR Defense (2004-present), Environmental Protection Science (2005-present), Iranian Toxicology (2007-present), The Open Toxicology (2008-present), International J. of Occupational and Environmental Medicine (2009-present), Bioterrorism and Biodefense (2014-present)
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Selected Major Publications and Reference Works

- Practical Guide for medical management of long-term effects of chemical warfare casualties - co-editor (OPCW, under publication)
 - Practical Guide for Medical Management of Chemical Warfare Casualties - lead editor (OPCW, 2016)
 - Basic and Clinical Toxicology of Mustard Compounds - lead editor (Springer, 2015)
 - Biological Toxins and Bioterrorism - lead editor (Springer, 2015)
 - Basic and Clinical Toxicology of Organophosphorous Compounds - lead editor (Springer, 2014)
 - over 30 monographs and reference book chapters including WHO publications on CWA, Poison Information Monographs (2003-2016), Critical Care Toxicology reference book (2014), Handbook of Toxicology of Chemical warfare Agents, 2nd Edition (2015), 11 chapters on CWA and BWA of the Encyclopedia of Toxicology 3rd edition (2014) and 4th edition (2024).
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Selected Recent/Key Peer-Reviewed Articles

Over 200 peer-reviewed journal articles including:

- Balali-Mood, M., *et al.* "Recent advances in the clinical management of intoxication by five heavy metals: Mercury, lead, chromium, cadmium and arsenic. *Heliyon*, 2025; 11 (4) e42696.
- Balali-Mood, M., *et al.* Toxic mechanisms of five heavy metals: Mercury, Lead, Chromium, Cadmium, and Arsenic. *Front Pharmacol.*, 2021; 12: 643972. Hot Article (>3000 citation)
- Balali-Mood, M., *et al.* Medical aspects of bio-terrorism. *Toxicon* 2013; 69, 131-142.
- Balali-Mood, M., *et al.* "Delayed toxic effects of sulfur mustard on the respiratory tract of Iranian veterans." *Hum Exp Toxicol.*, 2011; 30(9), 1141-9.
- Balali-Mood, M., *et al.* "Impact of scientific developments on the Chemical Weapons Convention" (IUPAC Technical Report) *Pure Appl. Chem.*, 2008; 80 (1), 175-200.
- Balali-Mood, M., *et al.* "The pharmacology, toxicology, and medical treatment of sulphur mustard poisoning" *Fundam Clin Pharmacol.*, 2005; 19(3): 297-315.
- Balali-Mood, M., *et al.* "Mefenamic Acid Overdosage." *Lancet*. 1981; 1354-1356.