

BIOGRAPHY

07 July 2012



Title and name

Dr. Mohammad Qasim Chaudhry

Nationality

United Kingdom

Panel

Scientific Committee

Education

PhD (Biochemistry/ Toxicology), 1991, University of Reading, United Kingdom

MSc (Chemistry), 1980, University of Karachi, Pakistan

BSc Hons (Chemistry, Biochemistry, Microbiology), 1979, University of Karachi, Pakistan

Scientific and risk assessment experience

Over 30 years experience of leading research spanning different aspects of chemistry, biochemistry and molecular biology:

- Risk assessment and regulatory aspects of chemicals and nanomaterials,
 - In silico assessment of chemical toxicity in the absence of experimental data,
 - Bioactive compounds from plants,
 - Molecular basis of pesticide action and mechanisms of pest resistance,
 - Protein chemistry, gene cloning and expression,
 - Immunodiagnostics of small-molecule organic compounds,
 - Bioremediation of polluted environments.
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Main scientific publications

Publications relating to risk assessment and regulatory implications of chemicals and nanomaterials, in silico assessment of chemical toxicity by (Q)SARs and read-across, mode of action of pesticides.

Chaudhry, Q., Gergely, A. and Bowman, D. (2012) Regulatory Frameworks for Food Nanotechnologies, in Qingrong Huang (Ed), Nanotechnology in the Food, Beverage and Nutraceutical Industries, Woodhead Publishing Ltd. ISBN 1 84569 739 1.

Chaudhry, Q. and Castle, L. (2011) Food applications of nanotechnologies - An overview of opportunities and challenges for developing countries, *Trends in Food Science and Technology* 22: 595-603.

Chaudhry, Q., Castle, L. and Watkins, R. (2011) Nanomaterials in Food and Food Contact Materials – Potential Implications for Consumer Safety and Regulatory Controls, in Frewer, L., Norde, N., Fischer A. and Kampers, F. (Eds) *Nanotechnology in the Agri-Food Sector - Implications for the future*, pp 191-208, John Wiley & Sons, Inc. ISBN: 978-3-527-33060-7.

Chaudhry, Q., Castle, L. and Watkins, R. (Editors) (2010) *Nanotechnologies in Food*, London, Royal Society of Chemistry Publishers, ISBN 978-0-85404-169-5.

Chaudhry, Q., Bouwmeester, H. and Hertel, R.F. (2010) The Current Risk Assessment Paradigm in Relation to Regulation of Nanotechnologies, in G.A. Hodge, D.M. Bowman and A.D. Maynard (Eds), *International Handbook on Regulating Nanotechnologies*. Cheltenham: Edward Elgar, pp 124-143.

Chaudhry, Q., Scotter, M., Blackburn, J., Ross, B., Boxall, A., Castle, L., Aitken, R. and Watkins, R. (2008) Applications and implications of nanotechnologies for the food sector, *Food Additives and Contaminants* 25(3): 241-258.

Šimon, P., Chaudhry, Q., and Bakoš, D. (2008) Migration of engineered nanoparticles from polymer packaging to food – a physicochemical view, *Journal of Food and Nutrition Research* 47(3): 105-113.

Cotterill, J.V., Chaudhry, M.Q., Matthews, W., Watkins, R. (2008) In silico assessment of toxicity of heat-generated food contaminants, *Food and Chemical Toxicology* 46: 1905 –1918.

Chaudhry, Q., Chrétien, J., Craciun, M., Guo, G., Lemke, F., Müller, J-A, Neagu, N. Piclin, N., Pintore, M., Trundle, P. (2007) Algorithms For (Q)SAR Model Building; in Benfenati, E. (Ed) *Quantitative Structure-Activity Relationship (QSAR) for Pesticide Regulatory Purposes*, pp 111, Elsevier. ISBN 13: 978-0444-52710-3.

Chaudhry, M.Q. (1997) A review of the mechanisms involved in the action of phosphine as an insecticide and phosphine-resistance in stored-product insects, *Pesticide Science* 49: 213-228.