

# Curriculum Vitae

**Last name, First name:** Chaudhry, Mohammad Qasim

**Gender:** M

**Nationality:** British

## Overall Scientific Expertise:

I have academic background in chemistry and biochemical toxicology, with longstanding expertise in the assessment of health and environmental safety of consumer products. My scientific career has spanned safety assessment of chemicals and nanomaterials; *in silico* toxicology; natural products; immunodiagnosics; bioremediation; modes of toxic action of chemicals, and mechanisms of insecticide resistance. In addition to my current position at University of Chester, I provide my expert advice to the Scientific Committee on Consumer Safety (SCCS) on safety of chemical and nanomaterials in cosmetic products, and to the European Food Safety Authority in support of EFSA's work on food and feed safety.

## Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation
01 Oct 2015 to date:	Professor of Food Safety & Innovation	University of Chester, Parkgate Road, Chester CH1 4BJ, United Kingdom	<ul style="list-style-type: none"> <li>- Safety of chemicals and nanomaterials in food cosmetic products;</li> <li>- Computational toxicology;</li> <li>- Novel foods.</li> </ul>
01 Apr 2015 to 30 Sep 2015:	Advanced Research Fellow	Fera (formerly the Food and Environment Research Agency), Sand Hutton, York YO41 1LZ, U.K.	Leading research projects on: <ul style="list-style-type: none"> <li>- Health and environmental safety, and regulatory aspects of chemicals, nanomaterials, and products of synthetic biology;</li> <li>- <i>In silico</i> assessment of chemical toxicity by computational modelling;</li> <li>- Chemical formulation.</li> </ul>
Oct 2006 to 31 Mar 2015:	Principal Research Scientist/ Advanced Research Fellow	The Food and Environment Research Agency, Sand Hutton, York YO41 1LZ, U.K.	Leading research projects on: <ul style="list-style-type: none"> <li>- Health and environmental safety, and regulatory aspects of chemicals, nanomaterials, and products of synthetic biology;</li> <li>- Fate and behaviour of chemicals in the environment;</li> <li>- <i>In silico</i> assessment of chemical toxicity;</li> <li>- Natural products from plants;</li> <li>- Chemical formulation.</li> </ul>
Feb 1996 to Oct 2006:	Senior Research Scientist	Central Science Laboratory, Sand Hutton, York YO41 1LZ, U.K.	Leading research projects on: <ul style="list-style-type: none"> <li>- Health and environmental impacts of chemicals and nanomaterials;</li> <li>- Molecular modelling to assess toxicity of chemical substances;</li> <li>- Immunodiagnosics for organic compounds</li> <li>- Bioremediation of persistent organic</li> </ul>

			pollutants
Dec 1990 to Jan 1996		Higher Scientific Officer, Central Science Laboratory, Slough, Berkshire, SL3 7HJ, U.K.	Research into: - Molecular basis of pesticide action and mechanisms of pest resistance; - Protein chemistry, DNA sequencing and fingerprinting, gene cloning and expression
Jan 1988 to Dec 1990:		British Council Fellow, Central Science Laboratory, U.K.	- PhD thesis title 'Biochemical Mode of Action of Phosphine and Mechanisms of Resistance in Two Species of Stored-Product Beetles'
Aug 1983 to Jan 1988:	Scientific Officer	Pakistan Agricultural Research Council, Karachi, Pakistan	- Research into toxicology and effective use of pesticides and fumigants.
Jan 1981 to 1982	Scientific Officer	Nuclear Institute for Agriculture & Biology, Faisalabad, Pakistan	- Research into isolation and characterisation of bioactive compounds from plants.
1980 to 1981	Chemist	Wellcome (Pakistan) Ltd. Karachi, Pakistan	- Chemical analysis of medicines and raw materials for quality control.

### Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation
PhD	1991	Biochemistry/ Toxicology	The University of Reading, U.K.
MSc	1980	Chemistry	University of Karachi, Pakistan.
BSc (Hon)	1979	Chemistry, Biochemistry, Microbiology	University of Karachi, Pakistan.

### Memberships in Scientific Advisory Bodies/Committees/Panels (if any):

- 01 July 2009 – to date: Member and current vice-Chair of the European Commission's Scientific Committee on Consumer Safety (SCCS):
  - o Chair of the SCCS WG on Nanomaterials in Cosmetics. The WG assesses dossier based risk assessment of nanomaterials in cosmetic and personal care products:  
[http://ec.europa.eu/health/scientific\\_committees/consumer\\_safety/opinions/index\\_en.htm](http://ec.europa.eu/health/scientific_committees/consumer_safety/opinions/index_en.htm);
  - o Member of the SCCS WG on New Methodologies; Member of the SCCS WG on cosmetic ingredients and hair dyes (since 2015).
- 01 July 2012 – 30 June 2015: Member of the Scientific Committee of European Food Safety Authority (EFSA).
  - o Current Member of the EFSA Working Group on Compendium of Botanical Food Supplements.
  - o Current Member of the EFSA WG on Weight of Evidence in scientific assessments.
  - o Current Member of the EFSA NanoNetwork;
- Member Advisory Board of BBSRC NIBB on Metals in Biology from 2014.

- Member Management Committee of the COST Action MODENA TD1204 – since 2012. The Cost Action ([www.modena-cost.eu/Home.aspx](http://www.modena-cost.eu/Home.aspx)) is aimed at investigating the use of modelling approaches to assess toxicity of nanomaterials;
- 2013-2015: Member WG of the EC’s Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR) on Synthetic Biology.
- 2013-2015: Chair of the International Cooperation on Cosmetics Regulation (ICCR)’s Joint WG on *In Silico* Approaches to Safety Assessment of Cosmetic Ingredients.

#### **Memberships in Learned Societies (if any):**

- Fellow of the Royal Society of Chemistry (FRSC), Chartered Chemist (CChem)

#### **Memberships in Editorial Boards (if any):**

- Associate Editor of the Food and Chemical Toxicology Journal
- Reviewer for several scientific journals;

#### **List of Publications:**

Author/ co-author of over 60 scientific publications that include research papers, book/book chapters, reviews, and popular articles. Also contributor to several Scientific Opinions, Memoranda, and Guidance Notes published by different European Scientific Committees.

1. MacNicoll, A., Kelly, M., Aksoy, H., Kramer, E., Bouwmeester, H., **Chaudhry, Q.** (2015) A study of the uptake and biodistribution of nano-titanium dioxide using in vitro and in vivo models of oral intake, *Journal of Nanoparticle Research* 17:66, DOI: 10.1007/s11051-015-2862-3.
2. Peijnenburg W.J.G.M., Baalousha M., Chen J., **Chaudhry Q.**, Von Der Kammer F., Kuhlbusch T.A.J., Lead J., Nickel., Quik J.T.K., Renker M., Wang Z., Koelmans A.A. (2015) A review of the properties and processes determining the fate of engineered nanomaterials in the aquatic environment, *Critical Reviews in Environmental Science and Technology* 45: 2084–2134.
3. Tiede, K., Hanssen, S.F., Westerhoff, P., Fern, G.J., Hankin, S.M., Aitken, R.J., **Chaudhry, Q.**, Boxall, A.B.A. (2015) How important is drinking water exposure for the risks of engineered nanoparticles to consumers?, *Nanotoxicology* (Published online DOI: 10.3109/17435390.2015.1022888).
4. Kookana, R.S., Boxall, A.B.A., Reeves, P.T., Ashauer, R., Beulke, S., **Chaudhry, Q.**, Cornelis, G., Fernandes, T.F., Gan, J., Kah, M., Lynch, I., Ranville, J., Sinclair, C., Spurgeon, D., Tiede, K., Van den Brink, P.J. (2014) Nanopesticides: Guiding principles for regulatory evaluation of environmental risks, *Journal of Agricultural and Food Chemistry* 62: 4227–4240.
5. Price, N., **Chaudhry, Q.** (2014) Application of in silico modelling to estimate toxicity of migrating substances from food packaging, *Food and Chemical Toxicology* 71:136-41.
6. **Chaudhry, Q.**, Piclin, N., Cotterill, J., Pintore, M., Price, N.R., Chrétien, J.R., Roncaglioni, A. (2010) Global QSAR models of skin sensitizers for regulatory purposes, *Chemistry Central Journal* 2010: 4(Suppl 1):S5.
7. **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.