

Curriculum Vitae

Last name, First name: Chaudhry, Mohammad Qasim

Gender: M

Nationality/ies: British

Overall Scientific Expertise:

- Academic background in chemistry and biochemical toxicology, with longstanding experience of leading R&D into health and environmental safety of food and consumer products, including 25 years at the UK's Food and Environment Research Agency.
- Expertise in different aspects of chemistry, biochemistry/ toxicology, molecular biology, and risk assessment of chemicals as well as materials and products of new technologies, such as nanotechnology and synthetic biology.
- Areas of R&D interest include in silico (computational) toxicology to assess safety of chemicals without testing in animals, natural products from plants, immunodiagnostics for small-molecule compounds, bio- and phyto-remediation of organic pollutants in the environment, modes of toxic action of chemicals and molecular mechanisms of pesticide resistance.
- Provide independent scientific advice to:
 - o the European Commission's Scientific Committee on Consumer Safety (SCCS) on risk assessment of chemicals and nanomaterials in cosmetics;
 - o various working groups of the European Food Safety Authority (EFSA) to support EFSA's work on food and feed safety.
 - o the UK Food Standards Agency's Joint Expert Group on Additives, Enzymes and other Regulated Products
 - o the UK Office for Product Safety and Standards' Scientific Advisory Group on Chemical Safety in Consumer Products.

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation*
25 Sep 2017 to date:	Visiting Professor	University of Chester, Parkgate Road, Chester, United Kingdom	- Affiliated as a visiting Professor, supporting the university's academic coursework and research in food safety and innovation.
01 Oct 2015 to 25 Sep 2017	Professor of Food Safety & Innovation	University of Chester, Parkgate Road, Chester, United Kingdom	- Teaching/research and managing R&D projects in the areas of food safety and innovation and restricted diets. - Advising the EU's Scientific Committees on safety of chemicals and nanomaterials in food and cosmetic product.
01 Apr 2015 to 30 Sep 2015:	Advanced Research Fellow	Fera (formerly the Food and Environment Research Agency), Sand	Leading research projects on: - Health and environmental safety, and regulatory aspects of chemicals, nanomaterials, and products of synthetic biology;

		Hutton, York, United Kingdom.	<ul style="list-style-type: none"> - <i>In silico</i> assessment of chemical toxicity by computational modelling; - Chemical formulation.
Oct 2006 to 31 Mar 2015:	Principal Research Scientist/Advanced Research Fellow	The Food and Environment Research Agency, Sand Hutton, York, United Kingdom.	<p>Leading research projects on:</p> <ul style="list-style-type: none"> - Health and environmental safety of chemicals, nanomaterials, and products of synthetic biology; - Fate and behaviour of chemicals in the environment; - <i>In silico</i> assessment of chemical toxicity; - Natural product chemistry; - Chemical formulation.
Feb 1996 to Oct 2006:	Senior Research Scientist	Central Science Laboratory, Sand Hutton, York, United Kingdom.	<p>Leading research projects on:</p> <ul style="list-style-type: none"> - Health and environmental impacts of chemicals and nanomaterials; - Molecular modelling to assess toxicity of chemical substances; - Immunodiagnosics for organic compounds - Bioremediation of persistent organic pollutants
Dec 1990 to Jan 1996	Higher Scientific Officer	Central Science Laboratory, Slough, United Kingdom.	<p>Research into:</p> <ul style="list-style-type: none"> - Molecular mechanisms of pesticide action and pest resistance; - Protein chemistry, DNA sequencing/fingerprinting, gene cloning and expression
Jan 1988 to Dec 1990:	British Council Fellow	Central Science Laboratory, Slough, United Kingdom.	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Research into toxicology and effective use of pesticides and fumigants.
Jan 1981 to 1982	Scientific Officer	Nuclear Institute for Agriculture & Biology, Faisalabad, Pakistan	<ul style="list-style-type: none"> - Research into isolation and characterisation of bioactive compounds from plants.
1980 to 1981	Chemist	Wellcome (Pakistan) Ltd. Karachi, Pakistan	<ul style="list-style-type: none"> - 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, United Kingdom.
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):

Activity	Time period (from... until month/year)	Name of legal entity or body	Description
Member and current Chair	05/2009 - to date	Scientific Committee on Consumer Safety (SCCS), Luxembourg	Current Chair of the SCCS, and a Member of the following Working Groups: <ul style="list-style-type: none"> - Nanomaterials in Cosmetics. - New Methodologies. - Cosmetic Ingredients
Member	07/2012 - to date	European Food Safety Authority (EFSA), Parma, Italy.	Member of the Working Groups on: <ul style="list-style-type: none"> - Compendium of Botanicals in Food (ongoing) - Nanotechnology in Food/Feed (ongoing - Chair of the WG since October 2022) - Read-across (ongoing) - Weight of Evidence in Scientific Assessments (until 08/2017) - Scientific Committee (2012-2015)
Member	05/2019 - to date	Food Standards Agency (FSA), London, United Kingdom	Member of the FSA's Committee on Toxicity (COT) to provide scientific advice on food safety issues to the Joint Expert Group on Additives, Enzymes and other Regulated Products.
Member	04/2021 - to date	Office for Product Safety and Standards (OPSS), London, United Kingdom	Member of the OPSS' Scientific Advisory Group on Chemical Safety (SAG-CS) in Consumer Products to provide advice on the safety of non-food/non-medicinal consumer products (e.g. cosmetics, toys, textiles, etc).

Memberships in Learned Societies (if any):

- Fellow of the Royal Society of Chemistry (FRSC)

Memberships in Editorial Boards (if any):

- Reviewer for several scientific journals;

List of Publications:

- Author/ co-author of over 75 scientific publications that include research papers, book/book chapters, reviews, as well as numerous scientific Opinions, Memoranda, and Guidance documents published by the European Scientific Committees.
 - Full list of scientific publications available at:
<https://scholar.google.com/citations?hl=en&user=SQ4K0uoAAAAJ>.
1. Rousselle C., Meslin M., Berman T., Woutersen M., Bil W., Wildeman J., Chaudhry Q. (2022) Using Human Biomonitoring Data to Support Risk Assessment of Cosmetic Ingredients - A Case Study of Benzophenone-3, *Toxics* 10: 96. <https://doi.org/10.3390/toxics10020096>.
 2. Knight, D. J., Deluyker, H., Chaudhry, Q., Vidal, J. M., & de Boer, A. (2021). A call for action on the development and implementation of new methodologies for safety assessment of chemical-based products in the EU - A short communication. *Regulatory toxicology and pharmacology* : RTP, 119, 104837. <https://doi.org/10.1016/j.yrtph.2020.104837>.
 3. Grillo R., Fraceto L.F., Amorim M.J.B., Scott-Fordsmand J.J., Schoonjans R., Chaudhry Q. (2021) Ecotoxicological and regulatory aspects of environmental sustainability of nanopesticides, *Journal of Hazardous Materials*, 404 (A), 2021, 124148, <https://doi.org/10.1016/j.jhazmat.2020.124148>.
 4. Benfenati E., Chaudhry Q., Gini G., Dorne, J-L. (2019) Integrating in silico models and read-across methods for predicting toxicity of chemicals: a step-wise strategy, *Environment International*.131, <https://doi.org/10.1016/j.envint.2019.105060>.
 5. Dudkiewicz, A., Lehner, A., Chaudhry, Q., Mølhøve, K., Allmaier, G., Tiede, K., Boxall, A.B., Hofmann, P.D., Lewis, J. (2019). Development of a sample preparation approach to measure the size of nanoparticle aggregates by electron microscopy. *Particology* 45: 49-57.
 6. Chaudhry, Q., Castle, L. and Watkins, R. (Eds) (2017) *Nanotechnologies in Food* (2nd Edition), Royal Society of Chemistry Publishers, London, ISBN 978-1-78262-171-3.
 7. Burden N., Aschberger K, Chaudhry Q, Clift MJD, Fowler P, Johnston H, Landsiedel R, Rowland J, Stone V. and Doak SH, (2017) Aligning nanotoxicology with the 3Rs: What is needed to realise the short, medium and long-term opportunities? *Regulatory Toxicology and Pharmacology*. 91:257-266.
 8. 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.
 9. 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.