

# BIOGRAPHY

3 July 2012



---

**Title and name**

Dr. Diane Benford

---

---

**Nationality**

British

---

---

**Panel**

Contaminants in the Food Chain

---

---

**Education**

- BSc hons in Biochemistry/toxicology, University of Surrey
  - PhD from the Department of Biochemistry, University of Surrey
- 

---

**Scientific and risk assessment experience**

- Risk assessment of chemical exposures from food, consumer products and the workplace
  - Food chemical risk assessments include environmental and process contaminants, toxins and natural toxicants, additives and food contact materials
  - Research in mechanistic toxicology, particularly related to genotoxic and non-genotoxic carcinogens and application of *in vitro* models in toxicology
- 

---

**Main scientific publications**

More than 70 peer-reviewed research papers and reviews. Ten of the most relevant and recent are:

1. Benford DJ, Agudo A, Baskaran C, DiNovi M, Folmer D, Leblanc JC, and Renwick AG, 2012. Aluminium-containing food additives (addendum). In: Safety evaluation of certain food additives. Prepared by the 74th meeting of the Joint FAO/WHO Expert Committee on Food Additives. WHO Food Additives Series, 65. Geneva, WHO, 3-86.
  2. Benford DJ, Bellinger D, Bolger M, Carrington C, Hailemariam K, Petersen B, Rath S and Zang Y, 2011. Lead (addendum). In: Safety evaluation of certain food additives. Prepared by the 73rd meeting of the Joint FAO/WHO Expert Committee on Food Additives. WHO Food Additives Series, 64. Geneva, WHO, 381-497.
  3. Benford DJ, Alexander J, Baines J, Bellinger DC, Carrington C, Devesa i Pérez VA, Duxbury J, Fawell J, Hailemariam K, Montoro R, Ng J, Slob W, Veléz D, Yager JW and Zang Y, 2011. Arsenic (addendum). Prepared by the 72nd meeting of the Joint FAO/WHO Expert Committee on Food Additives. WHO Food Additives Series, 63. Geneva, WHO, 153-316.
  4. Benford D, Bolger PM, Carthew P, Coulet M, DiNovi M, Leblanc JC, Renwick AG, Setzer W, Schlatter J, Smith B, Slob W, Williams G and Wildemann T, 2010. Application of the Margin of Exposure (MOE) approach to substances in food that are genotoxic and carcinogenic. Food and Chemical Toxicology, 48 Suppl 1, S2-S24.
  5. Benford D, Leblanc JC, Setzer RW, 2010. Application of the margin of exposure (MoE) approach to substances in food that are genotoxic and carcinogenic: example: aflatoxin B1 (AFB1). Food and Chemical Toxicology, 48 Suppl 1, S34-S41.
-

6. Benford D, Dinovi M, Setzer RW, 2010. Application of the margin-of-exposure (MoE) approach to substances in food that are genotoxic and carcinogenic e.g.: benzo[a]pyrene and polycyclic aromatic hydrocarbons. *Food and Chemical Toxicology*, 48 Suppl 1, S42-S48.
  7. Mason DR and Benford DJ. 2007. How much acrylamide is safe? *Nutrition and Health: Current Topics 6-7*, *Nutrition Bulletin*, 33, 153-154
  8. B J Maycock and D J Benford, 2007. Risk assessment of dietary exposure to methylmercury in fish in the UK. *Human and Experimental Toxicology*, 26, 185-190.
  9. Mulholland CA and Benford DJ, 2007. What is known about the safety of multivitamin and multimineral supplements for the generally healthy population? Theoretical basis for harm. *American Journal of Clinical Nutrition*, 85 (1S), 318S-322S.
  10. Benford DJ, Agudo A, Carrington C, Hambridge T, van Leeuwen R, Rao M, Slob W, de Figueiredo Toledo MC and Walker R, 2006. Polycyclic aromatic hydrocarbons. In: *Safety evaluation of certain contaminants in food*. Prepared by the 64th meeting of the Joint FAO/WHO Expert Committee on Food Additives. WHO Food Additives Series 55. Geneva, WHO, 563-743.
-