

BIOGRAPHY

17 December 2012



Title and name
Dr. Josef Schlatter

Nationality
Swiss

Panel
Scientific Committee

Education

Diploma in Natural Sciences, Swiss Federal Institute of Technology, Zürich (ETH) 1973.

Doctoral thesis at the Institute of Behavioural Science, Swiss Federal Institute of Technology in Zürich. Dr. sc nat ETH, 1976.

Post doctoral fellowships at Institute of Behavioural Science and at the Institute of Toxicology, ETH Zürich.

Scientific and risk assessment experience

- General toxicology
 - Risk assessments of chemicals related to the Swiss food law including natural toxins (inherent food plant toxins, mycotoxins), contaminants in food and drinking water, residues of veterinary drugs and pesticides, food additives, processing aids, compounds in cosmetics, food contact materials and novel foods.
 - Risk assessments of chemicals related to the Swiss Tobacco Ordinance.
 - (Quantitative) Risk assessment of chemical carcinogens.
 - Health effects of passive smoking
 - Initiation, designing and supervising experimental research projects mainly on natural toxicants, contaminants and on principal questions related to risk assessment (interactions of chemicals, mechanism and low dose effects of carcinogens).
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Main scientific publications

About 120 scientific papers, mainly dealing with general risk assessment principles, natural toxins or contaminants have been published in international journals and as book chapters.

1. Zarn J.A, Engeli B.E. and Schlatter J.R. (2011): Study parameters influencing NOAEL and LOAEL in toxicity feeding studies for pesticides: Exposure duration versus dose decrement, dose spacing, group size and chemical class. *Regulatory Toxicology and Pharmacology* 61, 243–250.
2. Zarn J.A., Hänggi E., Kuchen A. and Schlatter J.R. (2010): The significance of the subchronic toxicity in the dietary risk assessment of pesticides. *Regulatory Toxicology and Pharmacology* 58, 72–78.
3. Barlow S. and Schlatter J. (2010): Risk assessment of carcinogens in food. *Toxicology and Applied Pharmacology* 243, 180–190.
4. Benford D., Bolger P.M., Carthew P., Coulet M., DiNovi M., Leblanc J.C., Renwick A.G., Setzer R.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, S2–S24.

5. Boobis A.R., Doe J.E., Heinrich-Hirsch B., Meek M. E., Munn S. Ruchirawat M., Schlatter J. Seed J. and Vickers C. (2008): IPCS Framework for Analyzing the Relevance of a Noncancer Mode of Action for Humans. *Critical Reviews in Toxicology*, 38, 87–96.
 6. Kroes R., Renwick A.G., Cheeseman M., Kleiner J., Mangelsdorf I., Piersma A., Schilter B., Schlatter J., van Schothorst F., Vos J.G. and Würtzen G. (2004): Structure-based Thresholds of Toxicological Concern (TTC): Guidance for application to substances present at low levels in the diet. *Food and Chemical Toxicology* 42, 65-83.
 7. Zarn J.A., Brüschweiler B.J. and Schlatter J. (2003): Effects of azole fungicides on mammalian steroidogenesis by inhibiting sterol 14 α -demethylase and aromatase. *Environmental Health Perspectives* 111, 255–261.
 8. Eisenbrand G., Daniel H., Dayan A.D., Elias P.S., Grunow W., Kemper F.H., Löser E., Metzler M. and Schlatter J. (1998): Hormonally active agents in food. Wiley-VCH, Weinheim.
 9. Lutz W.K. and Schlatter J. (1992): Commentary: Chemical carcinogens and overnutrition in diet-related cancer. *Carcinogenesis* 13, 2211-2216.
 10. Bienfait D., Fanger O., Fitzner K., Jantunen M., Lindvall T., Skaret E., Seppänen O., Schlatter J. and Woolliscroft M. (1992): Guidelines for Ventilation Requirements in Buildings. European Concerted Action "Indoor Air Quality & its Impact on Man". Report No. 11. Office for Publications of the European Communities, Luxembourg.
 11. Schlatter J., Zimmerli B., Dick R., Panizzon R. and Schlatter Ch. (1991): Dietary intake and risk assessment of phototoxic furocoumarins in humans. *Food and Chemical Toxicology* 29: 523-530.
 12. Schlatter J. and Lutz W.K. (1990): Toxicity of ethyl carbamate (urethane): risk assessment at human dietary levels. *Food and Chemical Toxicology* 28: 205-211.
 13. Schlatter J. and Wanner H.U. (1987): Chapter 4: Tobacco smoke. In International Energy Agency, energy conservation in buildings and community systems program, Annex IX minimum ventilation rate, Final Report. Stephanus Druck GmbH, Uhldingen-Mühlhofen, BRD.
 14. Schlatter J., Elsner J. and Zbinden G. (1983): Correlation of telemetered heart rate and locomotor behavior in cyclazocine treated rats. *Neurobehav. Toxicol. Teratol.* 5: 413-419.
 15. Schlatter J. and Bättig K. (1979): Differential effects of nicotine and amphetamine on locomotor activity and maze exploration in two rat lines. *Psychopharmacology* 64: 155-161.
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