

# Curriculum Vitae

**Last name, First name:** Wijnhoven, Susan

**Gender:** Female

**Nationality:** Dutch

## Overall Scientific Expertise:

Senior scientist/ Risk assessor human toxicology and consumer exposure at the Dutch National Institute for Public Health and the Environment (RIVM).

Her work is mainly focused on risk assessment of chemicals in consumer products and nanotechnology/ microplastics. She has been advisor of the Dutch Ministry of Health on Cosmetics (Standing Committee and Working Group meetings of DG GROW). She is member of the RIVM working group of nanotechnology and working on various projects on Nanotechnology with the focus on consumer exposure and nanotechnology in consumer products. She is also project member of KIR nano (NL observatory on nanotechnology). Furthermore, she is project leader / work package leader of and involved in numerous national and international research projects on (risk assessment of) nanomaterials in consumer products. She published a couple of reports and publications on the exposure assessment of scented products, and the quantitative risk assessment (QRA) of fragrances. She has been involved in the WHO/IPCS Environmental Health Criteria document on harmonized risk assessment immunotoxicity associated with exposure to nanomaterials.

## Professional Experience

<b>Years employed from – to</b>	<b>Title of position</b>	<b>Employer – name and location</b>	<b>Areas of professional specialisation<sup>♦</sup></b>
2007-present	Risk assessor human toxicology and consumer exposure	RIVM, Centre for Safety of Substances and Products (VSP), Centre for Substances and Integrated Risk Assessment (SIR), Bilthoven, The Netherlands	Risk assessment human health, human toxicology, consumer exposure to chemicals, exposure assessment, exposure modelling, toxicokinetics, nanotechnology, nanotoxicology, nanomaterials, microplastics, immunotoxicity (QRA)
2000-2007	Postdoctoral fellow, research associate	Erasmus Medical Centre (Rotterdam) in cooperation with RIVM, Bilthoven, The Netherlands	Toxicology, carcinogenesis, mutagenesis, aging, in vitro and in vivo toxicology tests, transgenic mouse models, immunotoxicity, genotoxicity
1996-2000	PhD student	Leiden University Medical Centre, Leiden, The Netherlands	Carcinogenesis, mutagenesis, toxicology, transgenic mouse models, molecular biology, histology, genotoxicity

## Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation*
2001-2022		RIVM, Bilthoven, The Netherlands Ministry of Foreign Affairs, The Hague, The Netherlands	Project management (3x) Training Officer International Policy (EU level)
2001-2015		Postgraduate Education in Toxicology (PET)	- Risk communication (2010, 2019) - Risk assessment (2007) - Toxicogenomics (2006)
1996-2000		Leiden University and the Medical Genetic Center Netherlands	Additional courses in PhD program (English, writing, presentation)
1990-1996	MSc Health Sciences, Cum Laude	Health Sciences, Biological Health Sciences, Maastricht University (UM), The Netherlands	Biological Health Sciences, Toxicology, Food and Health, in vivo and in vitro mutagenesis, carcinogenesis, aging, molecular biology

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

- WHO-IPCS expert drafting group on EHC document on harmonized risk assessment immunotoxicity (WHO-EHC 244)
- Member of SCENIHR working group on nanosilver (Opinion in 2014)
- Advisor of Dutch Ministry of Health on the Cosmetics Meetings (Standing Committee and Working Party) of DG GROW (Cosmetics Regulation)(2012-2016)
- Member of the DG Sanco (GROW) Cosmetic Subgroup Definition of nanomaterials
- Member of ILSI Novel Foods and Nanotechnology Expert group on nanomaterials in food: advisor on risk assessment of nanomaterials in food
- Member of SCHEER working group TiO<sub>2</sub> in Toys

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

None

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

None

### List of Publications:

- Number of peer-reviewed publications: 40
- Number of RIVM reports: 25

### Top 7 most representative publications:

1. Wijnhoven S.W.P., Herberts C., Hagens W.I., Oomen A., Heugens E., Roszek B., Bisschops J., Peijnenburg W., Gosens I., Van de Meent D., Dekkers S., De Heer C., Sips A.J. A.M., De Jong W., Van Zijverden M., Geertsma R. Nano-silver, a review of available data and knowledge gaps in human and environmental risk assessment. *Nanotoxicology*, DOI: 10.1080/17435390902725914 (2009).

2. Ter Burg W., Wijnhoven SWP, Schuur G. Observations on the methodology for quantitative risk assessment of dermal allergens. RIVM report 3200015003/2010.

3. Cockburn A, Bradford R, Buck N, Constable A, Edwards G, Haber B, Hepburn P, Howlett J, Kampers F, Klein C, Radomski M, Stamm H, Wijnhoven S, Wildemann T, Chiodini AM. Approaches to the safety assessment of engineered nanomaterials (ENM) in food. *Food Chem Toxicol*. 2011 Dec 29.
4. Losert S, von Goetz N, Bekker C, Fransman W, Wijnhoven SW, Delmaar C, Hungerbuhler K, Ulrich A. Human exposure to conventional and nanoparticle--containing sprays-a critical review. *Environ Sci Technol*. 2014 May 20;48(10):5366-78. doi: 10.1021/es5001819. Epub 2014 May 12.
5. Hartemann P, Hoet P, Proykova A, Fernandes T, Baun A, De Jong W, Filser J, Hensten A, Kneuer C, Maillard J-Y, Norppa H, Scheringer M, Wijnhoven S. Nanosilver: Safety, health and environmental effects and role in antimicrobial resistance. *Materials Today*, 2015 April, Volume 18, Issue 3, April, Pages 122–123.
6. Dekkers S., Oomen AG, Bleeker EA, Vandebriel RJ, Micheletti C, Cabellos J, Janer G, Fuentes N, Vázquez-Campos S, Borges T, Silva MJ, Prina-Mello A, Movia D, Nessler F, Ribeiro AR, Leite PE, Groenewold M, Cassee FR, Sips AJAM, Dijkzeul A, van Teunenbroek T, Wijnhoven SWP. Towards a nanospecific approach for risk assessment. *Regul Toxicol Pharmacol*. 2016 Oct;80:46-59. doi: 10.1016/j.yrtph.2016.05.037. Epub 2016 May 30.
7. Marquart H, Park MVDZ, Gianakkou C, Vandebriel R, Wijnhoven SWP, Lazarska KE. (2020) A critical review of the factors determining dermal absorption of nanomaterials and available tools for the assessment of dermal absorption. Ref. ECHA-20-R-06-EN.  
[https://euon.echa.europa.eu/view-article/-/journal\\_content/title/are-nanomaterials-getting-under-your-skin-?utm\\_source=Linkedin.com&utm\\_medium=social&utm\\_campaign=EUON](https://euon.echa.europa.eu/view-article/-/journal_content/title/are-nanomaterials-getting-under-your-skin-?utm_source=Linkedin.com&utm_medium=social&utm_campaign=EUON)