

Curriculum Vitae

Prof. Dr. Marja Mutanen
Professor of Nutritional Physiology
Department of Food and Environmental Sciences
University of Helsinki

15.10.2017

1. **Full names** Mutanen (Viinanen), Marja Liisa,
 Gender Female, married, three children born 1976, 1977, 1980
 Date and place of birth 15.11.1952, Kajaani, Finland
 Nationality, current residence Finnish, Siilikuja 2 A 9 00800 Helsinki
2. **Education and degrees awarded**
 PhD in Nutrition, University of Helsinki, 1987
 LicSc in Nutrition, University of Helsinki, 1984
 MSc in Nutrition, University of Helsinki, 1978
 Docent in Nutrition, University of Helsinki, 1988
3. **Other education and training, qualifications and skills**
 Postgraduate studies in toxicology, University of Kuopio. 1992-1994, 48 credits
4. **Linguistic skills**
 Finnish (native language)
 English (good)
 Swedish (fluent)
5. **Current position**
 Professor of Nutritional Physiology, 2003-
 Department of Food and Environmental Sciences. University of Helsinki.
6. **Previous work experience**
 University of Helsinki: University Lecturer 1.8.2001-31.7.2003; Senior Assistant 1.8.1992-31.7.2001;
 Associate Professor 1.7.1989-30.6.1990; Teaching Assistant 1.9.1978-30.6.1979; 1.1.1980-30.4.1980;
 1.9.1980-9.11.1980; 1.1.1981-31.12.1984
 Academy of Finland: Senior Scientist 1.1.2008-31.12.2008; Research Fellow 1.1.1985-26.5.1989;
 27.5.1989-30.6.1989; 1.7.1990-31.7.1992.
 Visiting scientist at Karolinska Institute, Stockholm, August 1999 -September 2000.
 U.S. Department of Agriculture, Nutrition Research Centre, Beltsville, Maryland, USA, September
 1983 - August 1984
 Maternal leaves at 1976, 1979, 1980
7. **Research funding as well as leadership and supervision**
 Major research funding during the last 5 years: The Academy of Finland (2009-2013) 372 550 €;
 TEKES (2011-2013) 530 000 €; Ministry of Foreign Affairs (2011-2015) 270 000 €, (2015-2019) 470
 000 €.
 Principal investigator of the following research projects:
 - Bioavailability of selenium and other trace elements in experimental animals and healthy humans (1983-1988).
 - Effects of dietary fatty acids and/or natural antioxidative compounds in fruits, berries and vegetables on lipids, lipoproteins and haemostasis in humans – dietary interventions (1989-1995)
 - Diet and colon cancer – experimental approach with rat and *ApcMin* –mice (1995-2013)

- Food-based approach to combat mother and child malnutrition in low-income countries (2006-) (Mozambique, Benin)
- Use of video and mobile technology for nutrition education in developing countries (2011-)

Supervision of post-doc researchers:

- Riitta Freese , PhD 1997, main supervisory role
- Anu Turpeinen, PhD 1998, main supervisory role
- Anne-Maria Pajari, 2000, main supervisory role

Supervised doctoral dissertations:

- Riitta Freese. Dietary fatty acids and haemostasis – Effect of n-3 and n-6 fatty acids on platelet function and coagulation in healthy subjects. University of Helsinki, 1997.
- Anu M Turpeinen. Dietary fatty acids and indicators of thrombosis with special reference to the effects of C18:1 cis and trans fatty acids. University of Helsinki, 1998.
- Anne-Maria Pajari. Diet and colon protein kinase C. Regulation to intestinal development in experimental animals. University of Helsinki, 2000.
- Seija Oikarinen. Role of lignan sources in tumour formation in multiple intestinal neoplasia mice. University of Helsinki, 2005.
- Marjo Misikangas. Dietary modulation of β -catenin signalling in experimental model of colon cancer. University of Helsinki, 2007.
- Johanna Rajakangas-Tolsa. Diet, cell signalling, and intestinal tumorigenesis in multiple intestinal neoplasia mice. University of Helsinki, 2008.
- Maija Marttinen. Effect of plant sterols on adenoma formation in the Apc-mutated Min/+ mouse. University of Helsinki 2015.
- Liisa Korkalo. Hidden hunger in adolescent Mozambican girls: Dietary assessment| micronutrient status, and associations between dietary diversity and selected biomarkers. University of Helsinki 2016.
- Essi Päivärinta. Diet, intestinal microflora, immune function and experimental colon cancer. Dissertation in 2017.
- Lauriina Schneider. Improving the infant feeding practices in developing countries - education videos approach. On-going
- Katja Korhonen. **NIMI**. On-going

8. Merits in teaching and pedagogical competence

Pedagogical training and competence;

- University pedagogic studies 50 ect
- Consultation and supervision at work diploma 120 ect

Involvement in curriculum planning and the implementation of courses:

- Continuous planning of curriculum as part of a job of a professor

Development of teaching methods

- Use of a student-centred learning methods throughout the curriculum

Supervision over 60 MSc theses since 1983 -

Supervision of two Ph.Lic. theses in 2001

Teaching awards

- Eino Kaila award (teacher of the Year) 1995, University of Helsinki

9. Other academic merits

Pre-examiners in six doctoral theses from 1991

Opponent of a doctoral dissertation, as a member in dissertation committees in nine doctoral theses from 1991

Evaluation of two docent from 2005-

Research collaboration: National level: National Public Health Institute, University of Kuopio, Folkhälsan, VTT; International level: Research groups from Denmark, Germany, Japan, The Netherlands, Sweden, US, Zimbabwe, Mozambique, India, Kenya, Benin.

Journal referee/editorial board: American Journal of Clinical Nutrition, Arteriosclerosis, Thrombosis and Vascular Biology, BioMed Central Cancer, British Journal of Nutrition, Cancer Letters, European Journal of Clinical Nutrition, European Journal of Nutrition (ed board), International Journal of Cancer, Nutrition and Cancer, Nutrition Metabolism and Cardiovascular Disease, Scandinavian Journal of Nutrition (ed board), Thrombosis Haemostasis, Annals of Internal Medicine.

International expertise groups: nordic nutrition forum (nnf) –member of the board 1994-2004

EU-group on Functional Food Science, 1997-1998; EU Concerted Action on a Process for the Assessment of Scientific Support for Claims on Foods (PASSCLAIM), 2001-2002

World Cancer Research Fund –referee, 2002, 2003, 2014

International Union of Nutritional Sciences (IUNS) Council Member 2005-2008.

The member of the Finnish Academy of Science and Letters 2012

10. Scientific and societal impact of research

Total number of scientific publications 107 in international preview journals, 22 chapters in books and 4 books edited

Distribution of results from the adolescent girls in Mozambique to the authorities in the country

Patents: US Patent no 09/550,60 2001

Most important foreign visits: As regard to the applied research project the most important visits have been those to Zimbabwe (Harare) in 2005, 2006 and 2007, to Mozambique (Maputo) in 2007 and 2010-2011, 2017, to India in 2008 and 2011-2012, Kenya 2010-2013, 2015-2017 and Benin 2012. During these visits, I have have met several possible collaborators, authorities, NGO, and UN officers for my future research and societal impact in low and middle-income countries.

Dissemination of GloCal videos have been one of my prime societal efforts during the last few years and will be in the future as well. **GloCal (Global issues in Local context)** is a **nutrition and health** project aiming to improve the nutrition and health of mothers, children and families around the world through educational videos that focus on maternal and child nutrition. The set of 50 videos, was carefully planned and completed in Kenya in collaboration with Kenyan Ministry of Health and Unicef. Currently they are being translated into local languages in Mozambique. Furthermore, the videos are used by several smaller stakeholders in Benin, Ethiopia, Malawi, Senegal and Uganda.