

Short Curriculum Vitae/Vieno Piironen (December 2018)

Degrees	1980 M.Sc. (Food Chemistry); 1987 PhD (Food Chemistry), University of Helsinki, Finland
Docentship	1992 Docent in Food Chemistry, University of Helsinki, Finland
Current position	1998- Professor in Food Chemistry, University of Helsinki, Finland

Teaching experience

Teacher, assistant, senior lecturer and professor in food chemistry; supervision of laboratory courses, lecturing, supervision of BSc, MSc and PhD theses. Responsible for curriculum planning for degrees in food chemistry/food sciences, University of Helsinki. Established proficiency in teaching, Faculty of Agriculture and Forestry, University of Helsinki. Pedagogical training program 1993-94, Pedagogical training program JUONTO 1999, University of Helsinki. Leader of the Bachelor Program in Food Sciences until 2017, board member of the Master Program in Food Sciences 2017-.

Supervision of PhD theses: Supervised, completed theses: 20. Opponent, pre-examiner, evaluation committee member of PhD theses: 13.

PhD training/administrative tasks

University of Helsinki, Faculty of Agriculture and Forestry: 2004-2009 Vice-dean (research and postgraduate education); 2004-2009 head of the research and postgraduate education committee.

PhD education in Food Sciences on national level: Graduate school ABS - Applied Bioscience – Bioengineering, Food & Nutrition, Environment; steering group, vice member 2009-; supervisor of the ABS graduate school since beginning of the school to 2013.

University of Helsinki, Doctoral Programme in Food Chain and Health, vice director 2013-17, director 2018-

Selected administrative tasks/University of Helsinki, Finland

Department of Applied Chemistry and Microbiology: 1998-2003 Head of the Department, 1995-2009 Head of the Food Chemistry Division

Department of Food and Environmental Sciences: 2010-2017 Member of the board; 2010-2017 Head of the Food Chemistry Division

Faculty of Agriculture and Forestry: 2004-9 Vice-dean (research and post-graduate education); Member and vice-chair of the council 2018-

Viikki Campus of the University of Helsinki: 2010-2017 Coordinator of Food Science Programme, Viikki Research Groups in Bioscience

University of Helsinki, Election Collequim 2004-2010, Collequim 2014-2017.

Main research field

Vitamins (A, E, D, K, folate, B12): occurrence in foods; chemical and nutritional properties; importance in foods and diets; factors influencing the levels. Current focus on natural enhancement; microbial biosynthesis.

Co-travellers of dietary fibre: bioactive compounds especially in cereal and legume matrices.

Lipids, lipid oxidation and antioxidants: analysis, oxidation mechanisms and role of antioxidants

Microalgae: utilization of valuable components, special focus on lipids and bioactives

Plant-based protein sources: antinutrients, nutritive value, flavour

Examples of recent major project:

2011-2013	Tools for Healthy Foods with Appealing Texture and High Stability, Technological Research Agency and companies
2012-2016	Natural Fortification of Foods: Microbial in situ Synthesis of Vitamin B12 and Folate in Cereal Matrix, Academy of Finland
2014-2016	Health Promoting Food and Feed from Micro-algal Omega-3 fatty acids, Pigments, and Bioactive Peptides Produced on Food Industry Side Streams (Algomeg), Technological Research Agency, companies
2016-2017	LEVARBIO - Utilization of Algal Components and Biomass as Food, Feed, and Fuel. EU Commission
2017-2018	Bio-enriched Bran Ingredients - <i>in situ</i> Synthesis of Vitamin B12 and Folate with Propionibacteria and Lactic Bacteria (Bioforce), Lantmännen Research Foundation
2017-2019	Oat-derived Wellbeing by Clinical and Perceived Assessment (OATyourGUT), Business Finland, companies (research group member)
2018-2019	Vitamin B12-bioenriched Wheat Bran Ingredients for Food Applications (BIOB12, Lantmännen Research Foundation)

International collaboration

Experience in international networks on education and research (funded, e.g., by the European Commission)

Contributed to a number of international research projects funded by the European Commission on folate, bioactive compounds, food composition data

Active participation in International organizations and societies, e.g.: Federation of European Chemical Societies (Currently EuChemS), Food Chemistry Division, Member of the Council, 1999-; EuroFIR-AISBLE 2009-, Leading scientist of the University of Helsinki; Healthgrain Forum, 2010-

Memberships in scientific and organizing committees of international congresses: 21

Evaluation of research grants

The Swedish Research Council Formas, Member of the expert panel (Food), 2007 and 2008

Research Foundation/University of Helsinki. Foundation of Agricultural and Forest Sciences, head of the administrative committee 2010-14, member 2015-2017, University of Helsinki

Evaluator: National Academy of Finland; Finnish Cultural Foundation; Science Centre Poland 2012; VLAG graduate school (the Netherlands)

Evaluations/Academic positions

Competence for Professorship, Lund University Sweden; Competence for Guest Professorship, senior lectures and Docentship, SLU, Uppsala, Sweden; USDA USA performance review of leading researchers (3); Promotion to Associate Professor and Professor, University of New South Wales, Sydney, Australia (2); Competence for Docentship, University of Eastern Finland

Evaluations/education

Evaluation of 6 Food and Beverage Technology Study Programmes, Centre for Quality Assessment in Higher Education (SKVC) in Lithuania, 2012

Editorial and review tasks

Regular reviewer e.g. for J Agr Food Chem, Br J Nutr, Food Chem, Eur J Lipid Sci and Technol, LWT, AOCS, Food Chem. Editorial Board: Food Chemistry 2000-2015; Czech J Food Sci 2012-; Advisory Board of Encyclopedia of Food Science and Nutrition, 2000-3; Co-editor: ACS book 2011; Special Issue of Journal of Nutrition and Metabolism on folate 2012; International Symposium on Gluten-Free Cereal Products and Beverages (abstract book); Encyclopedia of Food and Health, editorial advisory board 2013-15.

Finnish scientific societies

Society of Food Science and Technology, member; Finnish Dietetic Association, Member of Council, 1997-2003; Finnish Chemical Society, Chromatography Division, member

Selected positions of trust in society and other societal merits

1997- Novel Food Committee, vice member (1997-9), member 2000-2017, Ministry of Trade and Industry

1999- Food Research Foundation, Scientific Advisory Committee

2007-17 Food Research Foundation, Executive Committee (vice chairman 2010-2013, chair 2013-2016)

2009-2011 Food for Live national platform, steering group

Honors and awards

Knight, First Class, of Order of the White Rose in Finland (SVR R1), granted by the President of the Republic, 6.12.2007.

Finnish Academy of Science and Letters, invited as a member, 2008; secretary of the Agriculture and Forestry section, 2009-2014; chair 2015-2018. Member of the Selection Committee, Section of Science 2017-

H index: web of science (217 publications) H index 49, average citations per item 42,59, total citations 9241, citing articles 7031.

Scopus: H index 52.

Publications

Articles in international high-quality peer review journals 175; Reviews in international peer-review journals 4; Chapters in books 13; Other scientific papers 65: Other Publications 18