

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.



Resume

As a professor with over 20 years' scholarly research, teaching, and supervision experiences, has engaged in synergistic collaboration with over 100 research partners from the world's leading laboratories in six continents. He is interested in applying cutting-edge, fundamental and applied research at the interface of environmental, chemical and physical sciences and engineering to develop low cost, beneficial and practical solutions to various water problems faced by our society worldwide.

Mika Sillanpää's research work centers on chemical treatment in environmental engineering and environmental monitoring and analysis. More specifically, he has worked extensively with adsorption, photocatalysis, electrochemical treatment, membrane biological processes and advanced oxidation processes as well as ion mobility spectrometry, chromatographic methods, electrochemical sensor development and real-time monitoring. The recent research focus has been on the resource recovery from waste streams.

Sillanpää received his M.Sc. (Eng.) and D. Sc. (Eng.) degrees from the Aalto University where he also completed an MBA degree in 2013. He completed his Master studies in the field of Chemical Engineering at the Department of Chemical Engineering at the Helsinki University of Technology (Finland) within 2.7 years, creating a new record in the history of the Department of the University. This achievement facilitated him to be the youngest Ph.D. holder (27 years old) in the same Department of the University in 1997. This was the starting point for him to embark on a progressive academic career in the field of environmental engineering through publications in peer-reviewed journals, leading to his nomination as the youngest holding an academic rank of a professorship in Finland at the time. Since 2000, he has been a full professor/adjunct professor at the University of Oulu, the University of Eastern Finland, the LUT University and the University of Eastern Finland.

Mika Sillanpää has taught courses to undergraduates and doctoral students in the fields of chemistry, chemical engineering and environmental technology. He has contributed to the curriculum development in various universities. He has presented his research at many of the leading academic institutions and is a regular speaker at professional conferences around the world. He has acted as a consultant in around ten companies ranging from global giants, such as Nokia, to SMEs. Also, he has served as a board member of numerous companies and has had R&D collaborating with over 80 companies in all sizes. He has successfully managed as a principal investigator substantial funding of over 30

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

million euros in highly competitive calls for research funding such as the EU Framework Programmes and Structural Funds, Business Finland, the Academy of Finland, Foundations and industrial partners. Also, he has been invited as an external examiner and opponent of several adjunct professorships and doctoral degrees and participated in the evaluation of research proposals in over 10 countries. He has supervised 53 PhDs and been a reviewer in over 250 academic journals, many of which are top-ranked in their fields.

Mika Sillanpää has published more than 800 articles in peer-reviewed international journals, including *Chemical Society Reviews*, *Advanced Materials*, *Environmental Science & Technology*, *Water Research*, *ACS Applied Materials and Interfaces*, *Applied Catalysis B: Environmental*, *Green Chemistry*, *Journal of Catalysis*, *Journal of Cleaner Production*, *Carbon*, *Journal of Hazardous Materials*, *Journal of Chromatography A*, *Environment International*, *Journal of Hazardous Materials*, *Bioresource Technology*, *Renewable Energy*, *Renewable and Sustainable Energy Reviews*, *Sustainable Energy & Fuels*, *Advances in Colloid and Interface Science*, *Electrochemistry Communications*, *Biosensors & Bioelectronics*, *Physical Chemistry Chemical Physics*, *Analytical Chemistry*, *Journal of Physical Chemistry C*, *Mass Spectrometry Reviews and Critical Reviews in Environmental Science & Technology*, *Desalination*, *Environmental Science: Nano*, *Separation and Purification Reviews*, *Environmental Pollution*, *Electrochimica Acta*, *Chemical Engineering Journal*, *Colloid Surfaces B - Biointerfaces*, *Langmuir*, *Trends in Analytical Chemistry*, *Ultrasonics Sonochemistry and Coordination Chemistry Reviews* (all having impact factor >5). He has served on the editorial boards of several scholarly publications. Currently he is and Editor in *Inorganic Chemistry Letters* (Elsevier) and Field Chief Editor in *Frontiers in Environmental Chemistry*. Having an *h*-index of 97, his publications have been cited over 48000 times (Google Scholar). Two of his publications are among 0.5% top-cited publications in the history of the corresponding journal (journals *Chemosphere* and *Science of the Total Environment*). Many of his scientific articles have been listed as hottest papers of the journal or even the entire research field (chemical engineering and environmental science).

Mika Sillanpää has received numerous awards for research and innovation. For example, he is the first Laureate of Scientific Committee on the Problems of the Environment (SCOPE)'s Young Investigator Award, which was delivered at the UNESCO Conference in Shanghai 2010 for his "significant contributions, outstanding achievements and research leadership in Environmental Technological Innovations to address present water pollution problems worldwide, especially with regard to wastewater treatment and reuse". In 2011, he was invited to act as a Principal Scientific Reviewer in the GEO-5 report of the United Nations Environmental Programme (UNEP). In 2012, he received Tapani Järvinen Environmental Technology Award and Publication Award of the Lappeenranta University of Technology. In 2014, he received the Science Award of the Lappeenranta University of Technology and Pro Mikkeli Award. In 2017 and 2018, he was listed as a Highly Cited Researcher by Thomson Reuters. In 2018, he was invited as a Member of the Finnish Academy of Sciences and Letters and Technology Academy of Finland. He also received Literature award from the Water Association of Finland in 2018. In 2019, 2020 and 2021, he was listed as a Highly Cited Researcher by Thomson Reuters

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

in two different disciplines, among approximately 200 other top researchers (covering all fields of science). In 2022, he has been awarded the Provincial Innovative Talent of Zhejiang Province, China.

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

Academic Qualifications

1. Helsinki University of Technology (Finland), M. Sc. (Eng.), Analytical Chemistry, 1992
2. Helsinki University of Technology (Finland), Lic. Sc. (Eng.), 4.7 out of 5.0 (with distinction), Analytical Chemistry, 4.3 out of 5.0, Environmental Protection (minor), 1996
3. Helsinki University of Technology (Finland), Dr. Sc. (Eng.), 4.7 out of 5.0 (with distinction), Analytical Chemistry, 4.3 out of 5.0, Environmental Protection (minor), 1997
4. Aalto University (Finland), MBA (Master of Business Administration), 4.7 out of 5.0, International Business, 2013

Leadership and Management Training

1. 2001, Leadership Training at the University of Oulu
2. 2001-2002, Portfolio Training (9 ECTS)
3. 2008-2009, Mentoring Training
4. 2009, Leadership Training organized by WSOYPro (six modules)
5. 2009, Leadership Training at the Helsinki School of Economics (four modules) (8 ECTS)
6. 2009-2010, Leadership Training at the Helsinki School of Economics
7. 2009, Leadership Training in Work Well-Being at the Mikkeli Open University
8. 2009-2010, Leadership Training at the Helsinki School of Economics
9. 2009-2011, PK-JOKO Leadership Training at Aalto University
10. 2009-2013, Master of Business Administration (MBA) at Aalto University
11. 2010-2011, Training for EU Framework Programme
12. 2010-2011, Strategy and Strategic Finance Courses at Stanford University and Harvard University, USA
13. 2015, LUT Leadership Excellence -Programme

Professional Full-time and Part-time Employment (1992-to date)

1. 1 June 1992 – 30 Nov 1992, Research Assistant, Environmental Technology, Central Laboratory
2. 1 Aug 1993 – 31 Jul 1995, Researcher, Laboratory of Inorganic and Analytical Chemistry, Aalto University
3. 1 Aug 1995 – 31 Jul 1998, Assistant, Laboratory of Inorganic and Analytical Chemistry, Aalto University
4. 1 Nov 1996 – 31 Aug 1997, Consultant, Nokia Mobile Phones
5. 26 May 1998 – 31 May 2000, Lecturer on Environmental Technology, Espoo-Vantaa Institute of Technology
6. 1 Aug 1998 – 31 Jul 1999, Research Scientist (post-doc), Laboratory of Environmental Protection Technology, Aalto University
7. 1 Aug 1999 – 23 Nov 2000, Research Scientist (post-doc) & Lecturer, Laboratory of Environmental Protection Technology, Aalto University
8. 1 Nov 1999 – 31 Dec 2000, Special Researcher, Technical Research Centre of Finland (VTT)
9. 1 Oct. 1999 – 28 Feb 2001, Scientific Advisor, IP Engineering Ltd.
10. 24 Nov 2000 – 31 Dec 2003, Professor, Laboratory of Water Resources and Environmental Engineering, University of Oulu
11. 2002, Scientific Advisor, Lassila&Tikanoja Ltd.
12. 1 Aug 2003 – 31 Dec 2010, Professor, Laboratory of Applied Environmental Chemistry, University of Eastern Finland
13. 2004, Scientific Advisor, Tricol Oy Ltd.
14. 2004, Scientific Advisor, Plancenter Ltd.
15. 1 Jan 2005 – 31 Dec 2006, Lecturer on Environmental Technology, Mikkeli Polytechnics
16. 2005 – May 2018, Thesis Supervisor, Helsinki School of Economics
17. 2006 – 28 Jan, 2020, Consultant, Miktech Ltd./Miksei Ltd.
18. 2008, Member of Board, Biower Ltd.
19. 1 Oct 2008 – present, Adjunct Professor, Department of Biological and Environmental Science, University of Jyväskylä

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

20. 1 Nov 2008 – 31 Oct 2013, Adjunct Professor, Department of Civil and Environmental Engineering, Aalto University
21. 1 Nov 2009 – Oct 2014, Adjunct Professor, Aalto University
22. 15 Dec 2009 – 20 Jan 2010, Consultant, FCG Finnish Consulting Group
23. 1 May 2010 – 29 Nov 2019, Professor, LUT University
24. 1 Mar 2011 – April 2011, Adjunct Professor, LUT University
25. 1 Oct 2013 – Sep 2018, Member of Board, Luxhammar
26. 1 June – 31 July 2015, Consultant, Borenius
27. 1 Jul 2015 – 30 Jun 2018, Courtesy Professor, Department of Civil and Environmental Engineering, Florida International University
28. 20 Mar 2020- present, Visiting Researcher, Duy Tan University, Vietnam
29. 1 Jul 2020 – present, Professor, University of Electronic Science and Technology of China (UESTC), China
30. 1 Dec 2020 – 30 Nov 2021, Researcher, Ton Duc Thang University, Vietnam
31. 1 Sep 2020 – present, Distinguished Visiting Professor, University of Johannesburg, South Africa
32. 1 May 2021 – present, Professor, Aarhus University, Denmark
33. 1 Jan 2021 – present, Distinguished Visiting Professor, National University of Malaysia, Malaysia
34. 1 Jan 2021 – present, Professor, Shoolini University, India
35. 1 Jan 2021 – present, Professor, King Saud University
36. 1 Apr 2021 – present, Director, Rongsheng Environment, China
37. 29 Apr 2021 – present, Visiting Professor, University of Novi Sad, Serbia
38. 22 Nov 2021 – present, Director, Rongsheng Environment

List of International Scholarly Participation

1993 – to date, An invited speaker and a delegate to dozens of international and national conferences, seminars and short-term research visits in the field of chemical sciences, environmental analytical chemistry, environmental protection technology in pulp and paper industry, and environmental engineering – not listed in detail here

Thesis

1. 1992, M.Sc., 'Development of a Liquid Chromatographic Method for the Determination of EDTA and DTPA in Pulp and Paper Mill Process and Waste Waters', Master's Thesis, Laboratory of Inorganic and Analytical Chemistry, Helsinki University of Technology, 1992 (in Finnish)
2. 1996, Licentiate, 'Analysis of EDTA and DTPA in Waste and Natural Waters', Licentiate's Thesis, Laboratory of Inorganic and Analytical Chemistry, Helsinki University of Technology, 1996
3. 1997, Ph.D., 'Analysis and Environmental Fate of EDTA and DTPA', Doctor's Thesis, Laboratory of Inorganic and Analytical Chemistry, Helsinki University of Technology, 1997. ISBN 951-22-3739-3, Libella Oy, Espoo 1997

List of Scholarly Awards/Other Honors

1. 1989, Top student award from High School of Loimaa (FIM 200)
2. 1989, Top student award from The August and Lydia Heino Foundation (FIM 1,000)
3. 1991, Top student award from Student Association of Helsinki University of Technology (FIM 4,000)
4. 1991, Travel Grant from the Student Association of Chemical Engineering at Helsinki University of Technology (2,800 FIM)
5. 1991, Travel Grant from the Helsinki University of Technology (2,000 FIM)
6. 1991, Travel Grant from the Centre of International Mobility, Finnish Ministry of Education (3,000 FIM)
7. 1992, Top student award from the Helsinki University of Technology (FIM 5,000)
8. 1992, The most rapid M.Sc (Eng.) graduate in 2.7 years, a new record in the history of the Department of Chemical Engineering, Helsinki University of Technology (Finland)
9. 1994, Ph.D. research award from the Finnish Cultural Foundation (FIM 15,000)

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

10. 1994, Ph.D. research award from The August and Lydia Heino Foundation (FIM 10,000)
11. 1994, Ph.D. research award from The Alfred Kordelin Foundation (FIM 18,000)
12. 1994, Ph.D. research award from Helsinki University of Technology (FIM 3,000)
13. 1995, Ph.D. research award from Alfred Kordelin Foundation (FIM 24,000)
14. 1996, Ph.D. research award from Helsinki University of Technology (FIM 5,000)
15. 1997, Ph.D. research award from Helsinki University of Technology (FIM 15,000)
16. 1997, Ph.D. research award from The Emil Aaltonen Foundation (FIM 20,000)
17. 1997, The youngest Ph.D. (Eng.) holder at Department of Chemical Engineering, Helsinki University of Technology (Finland)
18. 1998, Postdoctoral research award at the Helsinki University of Technology from The Emil Aaltonen Foundation (FIM 20,000)
19. 1998, Postdoctoral research award at the Helsinki University of Technology from the Jenny & Antti Wihuri Foundation (FIM 20,000)
20. 1999, The Academy of Finland's Postdoctoral Scholarship at Helsinki University of Technology
21. 1999, Postdoctoral research award at the Helsinki University of Technology from the Jenny & Antti Wihuri Foundation (FIM 40,000)
22. 2000, 1st ranking in the Professorship Competence in Chemical Water Treatment at the University of Oulu (Finland) (nine applicants)
23. 2003, The Best Poster Presentation in the 6th Finnish Conference on Environmental Sciences in Joensuu (Finland) (with Jussi Ruotsalainen)
24. 2003, 1st ranking in the Professorship Competence in Environmental Analytics at the University of Kuopio (six applicants)
25. 2005, The Winner of Venture Cup Business Idea (with Jurate Virkutyte)
26. 2007, The 3rd runner up of Venture Business Idea Competition (with Eveliina Repo)
27. 2007, One of the finalists for The Outstanding Young Person in Finland
28. 2009, The Best Business Idea proposal in Venture Cup (with Adriana Ferancova)
29. 2009, Award from the Finnish Cultural Foundation
30. 2010, Candidate for Finland for the International Young Investigator Award for Environmental Technologies
31. 2010, Laureate of the Scientific Committee on the Problems of the Environment (SCOPE)/International Council for Science and Zhongyu Environmental Technologies Corporation Young Scientist Awards on Environmental Issues in the field of Environmental Technological Innovations
32. 2010, Tatu's Chair Award
33. 2011, Man of the Year 2010, the City of Mikkeli, nominated by Junior Chamber International
34. 2012, Tapani Järvinen Environmental Technology Award
35. 2012, Publication Award of the Lappeenranta University of Technology
36. 2013, Invited keynote speaker at the Water and Energy Conference at the Vaal University of Technology, South Africa, on 19th of November
37. 2014, Science award by Research Foundation of Lappeenranta University of Technology
38. 2014, Science tamer award by the Principal of the University of Helsinki
39. 2014, Pro Mikkeli –medal by City of Mikkeli
40. 2014, Certificate of Merit -award by American Chemical Society, Division of Environmental Chemistry, for co-authorship of the poster paper titled "Synthesis of carbon-based nanomaterials and their applications in the removal of water contaminants" which was judged outstanding for material content and for manner of presentation given before the Division at the 248th National Meeting
41. 2014, Top Cited Papers -awards for 2011 and 2012 for the papers titled "A review of emerging adsorbents for nitrate removal from water" and "Fluoride removal from water by adsorption – a review" in Chemical Engineering Journal
42. 2015, Recognized Reviewer Status in Elsevier
43. 2017, Highly Cited Researcher by Clarivate Analytics in the Field of Engineering
44. 2018, Highly Cited Researcher by Clarivate Analytics in the Field of Engineering
45. 2018, Literature Award from the Water Association of Finland
46. 2018, Invited Member of the Technology Academy of Finland
47. 2018, Invited Member of the Finnish Academy of Sciences and Letters
48. 2019, Environmental Science: Nano Best Paper Nominees collection in 2018 (<http://rsc.li/esnano-nominees>)

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

49. 2019, Highly Cited Researcher by Clarivate Analytics in the Field of Engineering and Environment/Ecology
50. 2020, 29 research articles being recognized as 'Highly Cited Papers (top 1%)' by 'Web of Science (Clarivate Analytics)' in the broad scientific areas of 'engineering, environment/ecology and chemistry'
51. 2020, Highly Cited Researcher by Clarivate Analytics in the Field of Engineering and Environment/Ecology
52. 2021, Highly Cited Researcher by Clarivate Analytics in the Field of Engineering and Environment/Ecology
53. 2022, The Provincial Innovative Talent of Zhejiang Province, China

Funding (1989-to date)

1. 1992, Analysis and Environmental Fate of Complexing Agents, Foundation of the Helsinki University of Technology, FIM 50,000, Helsinki University of Technology, Diploma Thesis' Award
2. 1993, Analysis and Environmental Fate of Complexing Agents, The Foundation for Development of Technology, FIM 50,000, Helsinki University of Technology, Ph.D. research
3. 1994, Analysis and Environmental Fate of Complexing Agents, The Foundation for Development of Technology, FIM 60,000, Helsinki University of Technology, Ph.D. research
4. 1995, Analysis and Environmental Fate of Complexing Agents, The Foundation for Development of Technology, FIM 66,000, Helsinki University of Technology, Ph.D. research
5. 1995, Analysis and Environmental Fate of Complexing Agents, Maj & Tor Nessling Foundation, FIM 91,328, Helsinki University of Technology, Ph.D. Research
6. 1995, Trace Environmental Analysis, Erasmus, FIM 2500, Helsinki University of Technology, Travel grant to Plymouth (UK)
7. 1996, Analysis and Environmental Fate of Complexing Agents, Helsinki University of Technology, FIM 64,200, Helsinki University of Technology, Ph.D. research
8. 1998, Degradation of Chelating Agents in the Environment, Maj and Tor Nessling Foundation, FIM 74,000, Helsinki University of Technology, Postdoctoral research
9. 1999, Chelating Agents in the Process and Wastewaters, Maj & Tor Nessling Foundation, FIM 125, 120, Helsinki University of Technology, Research
10. 1999, Electrokinetic Soil Treatment, Maa- ja vesitekniikan tuki ry, FIM 166, 920, Helsinki University of Technology, Research
11. 1999, Treatment of Organic Pollutants by Chemical Methods, The Academy of Finland, FIM 175,000, Helsinki University of Technology, Research
12. 2000, Visit to Indian Universities and Research Institutes, Centre of International Mobility, FIM 6,800, Helsinki University of Technology, Travel grant
13. 2000, Catalytic Degradation of Persistent Organic Pollutants, Maj & Tor Nessling Foundation, FIM 176,000, Helsinki University of Technology, Research
14. 2000-2002, Electrokinetic Treatment of Heavy Metals in Contaminated Soils, Maa- ja vesitekniikan tuki ry, FIM 158,190, Helsinki University of Technology, Research
15. 2001-2003, Chemical Water treatment, Kemira, FIM 3,600,000, University of Oulu, Research
16. 2001, Catalytic Degradation of Persistent Organic Pollutants, Maj & Tor Nessling Foundation, FIM 176,000, Helsinki University of Technology, Research
17. 1992-2001, Total, 848831€,
18. 2002, Contaminated Soil Treatment by electrokinetics, Academy of Finland, 120,000 €, University of Oulu, Research
19. 2002, Catalytic Degradation of Persistent Organic Pollutants, Maj & Tor Nessling Foundation, 23 759 €, University of Oulu, Research
20. 2003-2006, Electrokinetic Remediation of Soils Contaminated with Heavy Metals, Academy of Finland, 120,000 €, Kuopio University, Research
21. 2004-2008, The Laboratory of Applied Environmental Chemistry, State Provincial Office of Eastern Finland, City of Mikkeli, Savcor Process Oy, Environics Oy, Platom Oy, Kemira Oyj, 1,021,834 €, Kuopio University, Research
22. 2004-2005, Investments for Learning Environment for Postgraduate Studies, Mikkeli University Consortium (Finland), 10,000 €, Kuopio University, Education
23. 2004-2005, Investments for Laboratory Infrastructure, Mikkeli University Consortium (Finland), 45,000 €, Kuopio University, Development

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

24. 2004-2005, Preparatory Funding for Research Project Applications, Mikkeli University Consortium (Finland), 5,750 €, Kuopio University, Development
25. 2004, Travel grant, National University of Cordoba, Argentina, Center International for Mobility (Finland), 1,990 €, Kuopio University, Cooperation
26. 2005-2006, SCIOUS, Science Circus, The European Union (Belgium), FP 6, 113,099 € (*UKU share 10 878 €), Kuopio University, Education
27. 2005-2007, Doctoral Training Programme, Regional Council of South Savo (Finland), 453,700 (*UKU share 68,991 €), Kuopio University, Education
28. 2005-2006, Waste Management: Capacity Building Project, Academy of Finland, 6,870 €, Kuopio University, Research preparation
29. 2005-2008, Sonochemically-assisted Electrochemical Treatment, Academy of Finland, 156,090 €, Kuopio University, Research
30. 2005-2006, Catalyst Layers on Plastic for Effluent Treatment, Miktech Oy (Finland), 50,000 €, Kuopio University, Research
31. 2005, Tertiary Treatment of Pulp and Paper Mill Waste Waters, Aquaflo Oy (Finland), 9,500 €, Kuopio University, Research
32. 2006-2008, Ultrasonically assisted Electrokinetic Soil Treatment of Organic Pollutants, Maj & Tor Nessling Foundation, 63,000€, Kuopio University, Research
33. 2006-2007, Strengthening of the Research Infrastructure of the Laboratory of Applied Environmental Chemistry, State Provincial Office of Eastern Finland (Finland), City of Mikkeli, 457,900 €, Kuopio University, Research
34. 2006-2007, Integrated Research Approach at Laboratory of Applied Environmental Chemistry, The Finnish Funding Agency for Technology and Innovation (Finland), 334,000 €, Kuopio University, Research
35. 2006-2010, Strengthening of the Environmental Chemistry Research-Transfer of Knowledge, The European Union (Belgium), 1,198,579 €, Kuopio University, Research
36. 2006-2007, Funding for new Laboratory Premises of the Laboratory of Applied Environmental Chemistry, State Provincial Office of Eastern Finland, City of Mikkeli, 346,800 €, Kuopio University, Research
37. 2006-2008, Strengthening of the material and environmental research, Mikkeli University Consortium (Finland), 87,500 €, Kuopio University, Research
38. 2006-2007, Organizing two international research conferences, Mikkeli University Consortium (Finland), 10,000 €, Kuopio University, Research
39. 2006-2007, Nanolyst – Nanostructured materials for Catalytic Oxidation, Mikkeli University Consortium (Finland), 54,000 €, Kuopio University, Research
40. 2006-2009, Novel Materials and Systems for Degradation of Organic Pollutants, The Finnish Funding Agency for Technology and Innovation (Tekes) (Finland), 513,145 € (*UKU share 142,735 €), Kuopio University, Research
41. 2006-2008, Combined Ultrasound and Electro-treatment of Organic Contaminants, Maj and Tor Nessling Foundation (Finland), 60,000 €, Kuopio University, Research
42. 2006, Separation of Heavy Metals from Surface Treatment Plant Wastewaters by Electrochemical Technique, Kemira Oy (Finland), 10,000 €, Kuopio University, Research
43. 2006, AOP's in Treatment of Pulp and Paper Mill Wastewaters, Municipal community of East Savoregion (Finland), 5,000 €, Kuopio University, Research
44. 2006-2008, Electrochemical Method to dewater Sludge, Maa- ja Vesitekniiikan tuki ry (Finland), 60,000 €, Kuopio University, Research
45. 2007-2010, UV LED and ALD-coated Photocatalysts in Water Treatment, The Finnish Graduate School in Environmental Science and Technology (EnSTe), 110,000 €, Kuopio University, Research
46. 2007-2008, Strengthening Environmental and Materials Partnership in East Savo Region, Mikkeli University Consortium (Finland), 78,750 €, Kuopio University, Research
47. 2007, 16th international IMS conference, Academy of Finland, 5,440 €, Kuopio University, Research
48. 2007, The 8th Finnish Conference on Environmental Sciences, Maj and Tor Nessling Foundation (Finland), 6,000 €, Kuopio University, Research
49. 2007-2008, Preparatory Funding for new Research Projects at LAEC, City of Mikkeli (Finland), 60,000 €, Kuopio University, Research
50. 2007, Evaluation of Treatment Methods for Process Water, Development Center of Middle Savo (Finland), 10,107 €, Kuopio University, Research

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

51. 2007, Strengthening International Networks for Applications in Environmental Nanotechnology, Miktech Oy (Finland), 7,000 €, Kuopio University, Research
52. 2008, Decreasing the Biofilm Problems in Paper Mills by Biocides combined with Electrochemical Oxidation, Savcor Forest Oy (Finland), 15,607 €, Kuopio University, Research
53. 2007, Preparing of Laboratory Practice Guidelines, Environics Oy (Finland), 18,837 €, Kuopio University, Research
54. 2007, Two International Seminars, Mikkeli University Consortium (Finland), 25,000 €, Kuopio University, Research
55. 2007-2008, ICP-AES analyses, Savcor Forest Oy (Finland), 904 €, Kuopio University, Analysing services
56. 2007, Water Treatment Module, University of Kuopio (Finland), 20,000 €, Kuopio University, Research
57. 2008-2010, Development of Innovation Structure in Environmental Technology, Regional Council of South Savo, City of Mikkeli, Savcor Forest Oy, Environics Oy, Platom Oy, Viljavuuspalvelu Oy, Finex Oy (Finland), 849,780 €, Kuopio University, Research
58. 2008-2010, Charging of Gas Molecules and Particles, The Finnish Funding Agency for Technology and Innovation (Tekes), Environics Oy, Dekati Oy (Finland), 361,307 € (*UKU share 133,020 €), Kuopio University, Research
59. 2008-2010, Development of Remote-Control Unit for Monitoring of Environment, The Finnish Funding Agency for Technology and Innovation (Tekes EAKR), MikkelinPuhelinOyj, SavonlinnanPuhelin Oy (Finland), 1,353,052 €, Kuopio University, Research
60. 2008-2010, Development of Innovative Methods in Environmental Technology, Mikkeli University Consortium (Finland), 87,500 €, Kuopio University, Research
62. 2008, Photoacoustic Methods for Measurements of Air Pollutant Concentration in Living and Working Areas, Environics Oy, 20,000 €, Kuopio University, Research
63. 2008, Measuring Total Silicon, Environics Oy, 2,200 €, Kuopio University, Analytical Services
64. 2009, Researcher Exchange with Rzeszów University of Technology, Poland (Karina Kwiecińska), ERASMUS, Kuopio University, Research
65. 2009-2012, Development of LED-based photocatalytic water treatment (DELETE), The Finnish Funding Agency for Technology and Innovation (Tekes EAKR), Miktech Oy, 1,336,433 € (*UKU share 445,100 €), Kuopio University, Research
66. 2009-2011, Determination of small metal concentrations from water matrix continuously (MONIWATER), The Finnish Funding Agency for Technology and Innovation (Tekes EAKR), Miktech Oy, 1,111,451 € (*UKU share 180,340 €), Kuopio University, Research
67. 2009-2011, Strengthening of nanotechnology research, Mikkeli University Consortium (Finland), 80,000 €, Kuopio University, Research
68. 2009-2010, Preparing work of research proposals at LAEC in 2009, City of Mikkeli (Finland), 29,000 €, Kuopio University, Research
69. 2010-2014, Bacteriosafe (I took care of the project since December 2013 when the previous PI's employment with LUT ended. After the relevant decision of the financier I acted as a PI.), EU/FP7, LUT share 429,000 €, Lappeenranta University of Technology, Research
70. 2011-2013, Water safety management, The Finnish Funding Agency for Technology and Innovation (Tekes EAKR), Environics Oy, Viljavuuspalvelu Oy, 320,000 €, Lappeenranta University of Technology, Research
71. 2011-2014, Disinfection by UV LED light, The Finnish Funding Agency for Technology and Innovation (Tekes EAKR), EasyLed Oy, Vision Bear Oy, KV Automaatio Oy, 809,000 €, Lappeenranta University of Technology, Research
72. 2011-2014, Development of water treatment and safety technology innovation structure, Regional Council of South Savo, City of Mikkeli, 800,000 €, Lappeenranta University of Technology, Research
73. 2011-2013, Nano- and microcellulose based materials for water treatment applications, The Finnish Funding Agency for Technology and Innovation (Tekes EAKR), TeollisuudenVesi Oy, Miktech Oy, Fibrocom Oy, Environics Oy, 606,830 € (*LUT share 310,000 €), Lappeenranta University of Technology, Research
74. 2011-2014, Hybrid membrane process for water treatment, The Finnish Funding Agency for Technology and Innovation, Miktech Oy, 73,040 €, Lappeenranta University of Technology, Research
75. 2011-2013, Nanotechnology in advanced oxidation process; a green process for the treatment of toxic organics present in water and wastewater, Maa- ja Vesiteknikan Tuki ry, 54,000 €, Lappeenranta University of Technology, Research
76. 2012-2014, Low-cost adsorbents for the treatment of mining wastewaters, The Finnish Funding Agency for Technology and Innovation (Tekes EAKR), Norilsk Nickel Harjavalta Oy, Nordkalk Oy Ab, Ekokem-Palvelut Oy, Miktech Oy, 365,940 €, Lappeenranta University of Technology, Research

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

77. 2012-2014, TOMOVAKE II, Regional Council of South Savo, Mikkeli University Consortium, 424,727 €, Lappeenranta University of Technology, Research
78. 2012-2014, Novel applications of biomass wetpyrolysis, The Finnish Funding Agency for Technology and Innovation (Tekes EAKR), TeollisuudenVesi Oy, UPM-KymmeneOyj, Akva Filter Oy, Miktech Oy, Ekokem Oy Ab, 481,682 €, Lappeenranta University of Technology, Research
79. 2011-2014, Development of monitoring system for water safety, The Finnish Funding Agency for Technology and Innovation (Tekes EAKR), City of Mikkeli, Environics Oy, Viljavuuspalvelu Oy, Mipro Oy, Auramarine Oy, Yara Suomi Oy, Savcor Forest Oy, 1,110,000 €, Lappeenranta University of Technology, Research
80. 2011-2014, Research center for fiber and process technology in Savonlinna, Regional Council of South Savo, 490,000 €, Lappeenranta University of Technology, Research
81. 2012-2013, Organizing LUT Savo research functions under safety- and material technology innovation center, Regional Council of South Savo, 290,000 €, Lappeenranta University of Technology, Research
82. 2013-2014, On-line monitoring concept in international research collaboration, The Finnish Funding Agency for Technology and Innovation, SICS, Miktech Oy, 140,172 €, Lappeenranta University of Technology, Research
83. 2012-2013, Improving export of education knowhow, State Provincial Office of Eastern Finland (Finland), Mikkeli University Consortium, LUT share 101,250 €, Lappeenranta University of Technology, Research
84. 2012, Electrochemical water treatment, Outotec Oy, 43,400 €, Lappeenranta University of Technology, Research
85. 2012, Applications of adsorption in mine water treatment, Outotec Oy, 40,000 €, Lappeenranta University of Technology, Research
86. 2012, Enhancement of electrocoagulation, Savcor Forest Oy, 43,000 €, Lappeenranta University of Technology, Research
87. 2012-2014, Novel strategies for wound management, EU/FP7, 6,300 €, Lappeenranta University of Technology, Research
88. 2013-2014, Impact of Climate Change on Water Quality: a Himalayan Case Study, Academy of Finland, 217,000 €, Lappeenranta University of Technology, Research
89. 2013-2015, Climate Change Impacts on Water Quality in the Himalayas, Academy of Finland, 167,000 €, Lappeenranta University of Technology, Research
90. 2013-2014, New business opportunities for sustainable technologies - ALD catalytic materials (PI since December 2013), The Finnish Funding Agency for Technology and Innovation, 337,241 €, Lappeenranta University of Technology, Research
91. 2013-2014, Flexible electronics materials using roll-to-roll atomic layer deposited coatings (I took care of the project since December 2013 when the previous PI's employment with LUT ended. After the relevant decision of the financier I acted as a PI.), The Finnish Funding Agency for Technology and Innovation, Innovia Films Ltd, UPM Raflatac Oy, Beneq Oy, 544,000 €, Lappeenranta University of Technology, Research
92. 2012-2015, Nanoscale Defect Detection, Cleaning and Repair for Large Area Substrates (I took care of the project since December 2013 when the previous PI's employment with LUT ended. After the relevant decision of the financier, I acted as a PI., EU/FP7, LUT share 625,250 €, Lappeenranta University of Technology, Research
93. 2013-2014, Research Infrastructure of Green Chemistry Laboratory, Regional Council of South Savo, 1 092 918 €, Lappeenranta University of Technology, Research
94. 2014-2018, Intelligent Mine Water Management – iMineWa, The Finnish Funding Agency for Technology and Innovation, Kemira Oyj, Akva Filter Oy, Aquazone Oy, BT-Engineering Ltd, Geoderis, Golder Associates Oy, Haarla Oy, Hydro Industries Ltd, Hyxo Oy, Inkron Oy, KGHM Cuprum sp. z.o.o. Centrum Badawczo-Rozwojowe, Metso Automation Oy, Nordkalk Oy Ab, Outotec Oy, Pyhäsalmi Mine Oy, Sachtleben Pigments Oy, Sansox Oy, Solexperts SA (Pty) Ltd, TalvivaarankaivososakeyhtiöOyj, TeollisuudenVesi Oy, Yara Suomi Oy, 2,485,732 €, Lappeenranta University of Technology, Research
95. 2015-2016, The potential of circular economy in Southern Savo, Regional Council of South Savo, LUT share 26,600 €, Lappeenranta University of Technology, Research
96. 2011-2019, LUT Budget funding including Center of Excellence funding, Lappeenranta University of Technology, 6999064€, Lappeenranta University of Technology, Research
97. 2016-2019, LUT Graduate School, Lappeenranta University of Technology, 292500 €, Lappeenranta University of Technology, Research
98. 2015-2018, Öljyntorjuntavalmiudenparantaminenvihreilläkemikaaleilla (VIKE), Council of Oulu Region, key partner: University of Oulu, 298,520 €, Lappeenranta University of Technology, Research

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

99. 2015-2017, Kestävääkemianavähihiilisenyhteiskunnanluomisessa, Regional Council of South Savo, 393,090 €, Lappeenranta University of Technology, Research
100. 2015-2017, Vihreänkemian cleantech-osaamiskärkienkehittäminen, Regional Council of South Savo, 772,007 €, LUT Research
101. 2014-2018, Kohti tehokasta ja kestävää Arktista öljyntorjuntaa: Pohjoisista biomateriaaleista valmistetut pinta-aktiiviset öljyntorjunta-aineet, Academy of Finland, keypartner: University of Oulu, 396,877 €, LUT Research
102. 2015-2018, Application of differential mobility spectrometry for detection of water pollutants, Business Finland, 495 001 €, LUT Research
103. 2015-2018, Removal of heavy metals from industrial and urban sludge by coupling bioleaching with enhanced electrochemical technologies, Business Finland, 456,500 €, LUT Research
104. 2015-2017, Uudetsuodatinmateriaaliratkaisutvedenpuhdistukseen, Regional Council of South Savo, 147,312 €, LUT Research
105. 2015-2019, Development of novel electrodeionization system for recovery and recycling precious metals and rare earth elements from mining effluents, Academy of Finland, 782,768 €, LUT Research
106. 2015-2018, Smart Effluents-uudensukupolvenjätevedenkäsittelyratkaisutvastaamaanvuoden 2050 tarpeita, Business Finland, key partner: South-Eastern Finland University of Applied Sciences, 450,868 €, LUT Research
107. 2015-2018, iFormine - Innovatiivisetkaivosvesienpuhdistusratkaisut ja ekotehokkaatpilotoinnit, Regional Council of South Savo, key partner: South-Eastern Finland University of Applied Sciences, 162,277 €, LUT Research
108. 2018-2019, Investigating the efficiency of wastewater treatment plants, to remove microplastics: Environmental repercussions on Lake Saimaa, Maa- ja vesitekniiikan tuki ry, 110,000 €, LUT Research
109. 2016-2020, Removal of pharmaceutical drugs from contaminated waters and wastewater discharges using functionalized carbon nanotubes: A recycling process, Maa- ja vesitekniiikan tuki ry, 100,000 €, LUT Research
110. 2017-2019, Synthesis and visible light photocatalytic activity of perovskite materials bound to a magnetic core for efficient water decontamination, Maa- ja vesitekniiikan tuki ry, 150,000 €, LUT Research
111. 2018-2021, Simultaneous wastewater treatment and nutrients recovery using the microbial nutrient recovery cell concept, Maa- ja vesitekniiikan tuki ry, 160,000 €, LUT Research
112. 2019-2022, Facile Fabrication of green solvent bi-functional ionic liquids (iLs) for the reclamation of rare earth elements (REEs) from acid mine drainage (AMD), Maa- ja vesitekniiikan tuki ry, 100,000 €, LUT Research
113. 2019-2023, Tailoring of novel composite sorbent materials for the solar desiccant/collector system to solar-driven water harvesting from atmospheric air: Air-to-water extraction approach, Maa- ja vesitekniiikan tuki ry, 121,200 €, LUT Research
114. 2019-2020, Heterogeneous photoelectron catalysis for the treatment of industrial wastewater, Maa- ja vesitekniiikan tuki ry, 40,000 €, LUT Research
115. 2018-2020, Development of novel cost-efficient lignin-based filtering materials, Business Finland, 310,325, LUT Research
116. 2017-2020, Puhdistamolietteetyötykäyttöön, Regional Council of South Savo, 401,313 €, LUT Research
117. 2018-2020, Uudet kokonaisvaltaiset toimintamallit biokaasun tuotannon materiaalitehokkuuden ja lopputuotteiden kierrätyslannoitevalmistepotentiaalin parantamisessa, Regional Council of South Savo, 243,834 €, LUT Research
118. 2018-2020, Uudet kiertotalouspohjaiset menetelmät jätekeskusten ja teollisuusalueiden hulevesien käsittelyyn, Regional Council of South Savo, 335,354 €, LUT Research
119. 2017-2019, Perinteisestä jätevedenpuhdistuksesta kohti resurssitehdasta, Regional Council of South Savo, 610,613 €, LUT Research
120. 2019-2020, Kalvobioreaktorin toiminta: Partikkelien vaikutus kalvon tukkeutumiseen ja partikkelien kokojakaumanalyysi kalvojen suodatustehokkuuden optimoimiseksi, Regional Council of South Savo, 310,072 €, LUT Research
121. 2018-2020, Harvinaisten maametallien talteenotto vaihtoehtoisista raaka-aineista, Regional Council of South Savo, 73,392 €, LUT Research
122. 2019-2021, One Drop - A Novel Mobile Water Purification Plant, South-East Finland-Russia CBC 2014-2020, Yuri
123. 2019, Photocatalytic-assisted electro-kinetic treatment of oily sludge, Business Finland, 76,400 €, LUT Research

Grand total: 35 348 984 €

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

Professional Service

1) An Invited External Examiner and/or Reviewer for Docent/Adjunct Professor, Ph.D. thesis and MSc thesis

a. Docent/ Adjunct Professor/Associate Professor/Full Professor

1. 2002, Lepistö, R. (Docent), Biological Wastewater Treatment, Tampere University of Technology, Finland
2. 2004, Kettunen, R. (Docent), Wastewater treatment, University of Jyväskylä, Finland, Finland
3. 2008, Kähkönen, M. (Docent), Environmental Chemistry, Tampere University of Technology, Finland
4. 2009, Several applicants (Associate Professor), Chemistry and Environmental Hygiene, Norwegian University of Science and Technology (NTNU), Norway
5. 2009, Petri Peltonen (Docent), Environmental Chemistry, Helsinki University of Technology/Aalto University, Finland
6. 2013, Simo Pehkonen (Full Professor), Water Chemistry, University of Eastern Finland, Finland
7. 2014, Prasad Kaparaju (Docent), Environmental Engineering, University of Jyväskylä, Finland, Finland
8. 2014, Prasad Kaparaju (Associate Professor), Environmental Engineering, University of Jyväskylä, Finland, Finland
9. 2016, Several applicants (Full Professor) Research Projects- Evaluator, Environmental and Chemical Technology, Tallinn University of Technology, Estonia
10. 2019, External assessor for the recruitment of an "Associate Professor position in the Chemistry Department", Hong Kong Baptist University, Hong Kong

b. Tenure Track positions

1. 2013, Aquatic Chemistry, University of Helsinki, Finland
2. 2014, Bioengineering, especially Chemical and Physical Processes for Resource Recovery, Tampere University of Technology, Finland
3. 2015, Aquatic Chemistry, University of Helsinki, Finland
4. 2019, Chemical Engineering, Rovira i Virgili University, Spain
5. 2020, Chemical Engineering, University of Barcelona, Spain

c. Ph.D. Thesis

1. 1998, Virtapohja, J., Fate of Chelating Agents used in the Pulp and Paper Industries, University of Jyväskylä, Finland
2. 2001, Pongrácz, E., Toward the Theory of Waste Management, Oulu University, Finland
3. 2002, Typpö, A., Pellon alarajan muutos ja sen vaikutukset viljelyyn ja ympäristöön. Sovellettuna Keski-Pohjanmaan ja Pohjois-Pohjanmaan eteläisen osan olosuhteisiin, Oulu University, Finland
4. 2004, Myllykangas, T., Prevention of Bromine Containing Disinfection By-products during Drinking Water Treatment, Kuopio University, Finland
5. 2005, Sippola, V., Transition Metal-Catalysed Oxidation of Lignin Model Compounds for Oxygen Delignification of Pulp, Helsinki University of Technology, Finland
6. 2005, Fan, B., Remobilization of Heavy Metals from Sediments Using Aminopolycarboxylic Acids, The University of Sydney, Australia
7. 2007, Laamanen, P.-L., Simultaneous Determination of Industrially and Environmentally Relevant Aminopolycarboxylic and Hydroxycarboxylic Acids by Capillary Zone Electrophoresis, University of Jyväskylä, Finland
8. 2008, Hyvönen, H., Studies on Metal Complex Formation of Some Environmentally Friendly aminopolycarboxylate Chelating Agents, University of Helsinki, Finland
9. 2008, HajaraBeevi, N., Studies on Recovery of Silk Dyes from Textile Effluent by Liquid-Liquid Extraction and Liquid Membrane Process, Anna University, India
10. 2008, Kachina, A., Gas-Phase Photocatalytic Oxidation of Volatile Organic Compounds, Lappeenranta University of Technology, Finland
11. 2009, Käkölä, J., Fast Chromatographic Methods for Determining Aliphatic Carboxylic Acids in Black Liquors, University of Jyväskylä, Finland
12. 2010, Klauson, D., Aqueous Photocatalytic Oxidation of Non-Biodegradable Pollutants, Tallinn University of Technology, Estonia
13. 2011, Kavitha, S., A Study on Semiconductor-Oxides Mediated Photocatalytic Degradation of Textile Dyes in Aqueous Solutions and Effluent, Anna University, India

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

14. 2011, Valto, P., Development of Fast Analysis Methods for Extractives in Papermaking Process Waters, University of Jyväskylä, Finland
15. 2011, Kiuru, J., Interactions of Chemical Variations and Biocide Performance at Paper Machines, Aalto University, Finland
16. 2011, Krishnakumar, B., Sulfated Titania Mediated Synthetic Organic Transformations and Photocatalytic Degradation of Azo Dyes with ZnO and AgBr-ZnO, Annamalai University, India
17. 2013, Sridhar, R., Studies on Electrocoagulation Technique for Treatment of Industrial Effluents, Annamalai University, India
18. 2013, RaffieaBaseri, J., Comparative Studies on the Adsorption of Textile Dyes from Aqueous Solutions Using Activated Carbon and Polymer Coated Sawdust, Annamalai University, India
19. 2014, Balachandran, S., Fabrication of Heterostructured, Modified ZnO Nanomaterials and Their Multiple Applications, Annamalai University, India
20. 2014, Rajamanickam, D., Degradation of Azo Dyes by Advanced Oxidation Process Using Modified TiO₂ Catalysts, Annamalai University, India
21. 2014, Badruzzama, H., Toxic Effects of Pesticide Folicur on Some Physiological Aspects of Crab *Barytelphusa guerini*, Poona University, India
22. 2015, Sundarapandian, S., Mechanistic Insight into Degradation of Tannery Wet-finishing auxiliaries by Electrochemical and Advanced Oxidation Techniques, Anna University, India
23. 2015, Kuokkanen, V., Utilization of electrocoagulation for water and wastewater treatment and nutrient recovery - Techno-economic studies, University of Oulu, Finland
24. 2015, Mahalakshmi, C. M., Synthesis, Spectral Characterization, Computational Studies and Biological Evaluation of Some Imidazole and Benzimidazole Derivatives, Annamalai University, India
25. 2015, Kalyani, J. V. S. K. V., A study on The Analysis of Heavy Metal Ions in Ground Waters of Industrial Area in Srikakulam and Their Removal by Biosorption, Andhra University, India
26. 2015, Gomathi, G., Synthesis, Spectral and Structural Studies on Zn (II), Cd (II), Hg (II), Tl(I) and Bi (III) Complexes with Dithiocarbamate Ligands: New Precursors for the Preparation of Metal Sulfide Nanoparticles, Annamalai University, India
27. 2015, Gopalswami, P. M., Studies on The Removal of Dyes from Aqueous Solution Using Activated Carbon Derived from The Shoots of *Morus Alba*, Bharathiar University, India
28. 2015, Maruvada V. V., Studies in Water Treatment: Defluoridation Using Adsorption, Denitrification using a Microbial Fuel Cell, and Contaminant Removal Using Solar Distillation, IISc Bangalore, India
29. 2016, Soikkeli, V., Hydrometallurgical recovery and leaching studies for selected valuable metals from fly ash samples by ultrasound-assisted extraction followed by ICP-OES determination, University of Jyväskylä, Finland
31. 2016, Venkanna, R., Chemistry of Ozone Precursor Gases and Its Impact on Urban Air Quality: Inter-Comparison with Satellite Observations Over a Tropical Urban Site – Hyderabad, India, Andhra University, India
32. 2016, Manimekalai, T. K., Studies on the Effect of Pyrolysis Parameters on the Preparation of Novel Activated Carbon from Domestic Polymeric Waste Materials and Its Adsorption Dynamics in Dye Effluent Treatment, Annamalai University, India
33. 2016, Kumar, V., Synthesis and Biological Evaluation of Some Simple and Fused Heterocyclic Compounds, Mangalore University, India
34. 2016, Srinivasa, R., Quality Evaluation of Ground Water and Soil in North Coastal Andhra Region India, Andhra University, India
35. 2016, Gomathi, G., Synthesis Spectral and Structural Studies on . . . , Annamalai University, India
36. 2016, Kalyani, J. V. S. K. V., A Study on the Analysis of Heavy Metal Ions in Ground Waters of Industrial Area in Srikakulam and Their Removal by Biosorption, Andhra University, India
37. 2016, Arockia, D., Synthesis, Structural Analysis and Computational Studies on 3-Alkyl-, 3,5-Dialkyl-2,6-Diarylpiperidin-4-One and Imidazole Derivatives, Annamalai University, India
38. 2016, Arunpandian, A., Photoinduced Charge Transfer in Nanosemiconductors Bound and Unbound Styryl Phenanthrimidazoles, Annamalai University, India
39. 2016, Sumathi, A., Synthesis Characterization and Biological Studies of Some Substituted Chalcones and Imidazole Derivatives, Annamalai University, India
40. 2016, Sridhar, S., Development of Visible Light Active TiO₂ and ZnO Coatings by Micro-Arc Oxidation and Atomic Layer Deposition Methods for Photocatalytic Activities, Anna University, India
41. 2016, Ndayambaje, G., Functionalization of Polyacrylonitrile Nanofibres Using 2-(1H-Imidazol-2-yl)Pyridine Ligand, University of the Western Cape, South Africa

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

42. 2016, Maruvada, N. S. V. V., Studies in Water Treatment: Defluoridation Using Adsorption, Denitrification using a Microbial Fuel Cell, and Contaminant Re-Moval Using Solar Distillation, IISc Bangalore, India
43. 2016, Loganathan, C., Discovery of Some Novel Heterocycles and Aromatic Scaffolds as Inhibitors for P 13K-a, GSK-3 β , TNF α and Thrombin Proteins, Annamalai University, India
44. 2016, Arokiasamy, A., Synthesis Spectral and Computational Studies Of 2 Formyl-4 (Aryl Diazenyl) Phenyl Methyl Carbonates, their Hydrazones and 2-(Hydroxyimino) (Aryl Diazenyl) Phenyl Methyl Benzoate Derivatives, Annamalai University, India
45. 2016, Elangovan, S. V., Investigations on Pure Zinc Oxide Nanocrystals and Zn_{1-x}(Na,Mg)_xO Nanocrystals for Photocatalytic Degradation of Coloured Wastewater, Bharathiar University, India
46. 2016, Athavan, A.A., Synthesis, Structural Elucidation, Molecular Docking and *in vitro* Biological Evaluation of Novel Heterocyclic Thiazinone and Thiosemicarbazone Derivatives, Annamalai University, India
47. 2017, Murugan, M., Host-Guest Interaction Between Anti-Malarial Drugs and β -Cyclodextrin: An In-Vitro Cytotoxic Evaluation Against Breast Cancer Cell Line, Bharathiar University, India
48. 2017, Saravanan, R., Synthesis of Chemically Modified Cellulose Bearing Schiff Base with Chelating Groups for Removal of Heavy Metals from Aqueous Solution, Bharathiar University, India
49. 2017, Indimathi, T., A Study on Synthesis and Characterization of Rare Earth Metal Ions Ce⁺³ and Nd⁺³ Doped ZnO Nanoparticles for Their Biomedical Applications, Annamalai University, India
50. 2017, Padmakumari, T. V., The Study on Nitrogen-Containing Reducing Agents for Control of Corrosion in Nuclear Reactors, Annamalai University, India
51. 2017, Swati, V., Studies on Reduced Graphene Oxide and Its Composite with Zinc Oxide Nanoparticles, Indian Institute of Technology Roorkee, India
52. 2017, Apollo, S. O., Integrated Anaerobic Digestion and UV Photocatalytic Treatment of Industrial Wastewater in Fluidized Bed Reactors, Vaal University of Technology, South Africa
53. 2017, Praveena, A., Inclusion Complexation of Selective Flavanols with β -Cyclodextrin and 2-Hydroxypropyl- β -Cyclodextrin: Preparation, Characterization and Anti-Cancer Evaluation, Annamalai University, India
54. 2017, Leela Sabari, C., Characterization and Orientation of Inclusion Complexes Between Selective Local Anesthetics and Native- β -Cyclodextrin: Cytotoxicity Application, Annamalai University, India
55. 2017, Vinoth, P., Encoding of Structure and Bonding in Coordination Complexes with a Semantic Markup System Supported by Chemical Ontologies, Pondicherry University, India
56. 2017, Rehman, M. A., Magnetic Nanoadsorbents Applications and Modelling for Green Environment Remediation, University of Malaya, Malaysia
57. 2017, Sumathi, A., Synthesis, Characterization and Biological Studies of some Substituted Chalcones and Imidazole Derivatives, Annamalai University, India
58. 2017, Keronen, P., Flux and concentration measurements of carbon dioxide and ozone in a forested environment, University of Helsinki, Finland
59. 2017, Muliwa, A.M., Remediation of Mine Impacted Water Using Natural and Engineered Hybrid Materials, Tshwane University of Technology, South Africa
60. 2017, Sathyamoorthy, Investigation of Structural, Electrical and Magnetic Properties of Sm_{1-x}A_xMO₃ (A = Sr, Ca And M=Co, Mn) Nanoparticles
61. 2018, Dsouza, A.J., Study of Various Quenching Effects on Pluronic F127-Rhodamine B Complex Using Optical Spectroscopy Methods, Annamalai University, India
62. 2018, Rajeswari, R., Investigations on Certain Metal Oxide Based Semiconductor Nanomaterials for Photocatalytic Activities, Anna University, India
63. 2018, Gayathri, K., A Study on Functionalized Polyacrylamide/Graphite Composites in the Removal of Organic Dyes from Aqueous Solution, Anna University, India
64. 2018, Budhathoki, R., Beneficiation, Desilication and Selective Precipitation Techniques for Phosphorus Refining from Biomass-Derived Fly Ash, University of Jyväskylä, Finland
65. 2018, Anitha, A., A Non-Covalent Bonding Interaction between Selective Drugs and Modified Cyclodextrin, Bharathiar University, India
66. 2018, Murugesan, B., Synthesis of Lanthanum Oxide Doped Nano Carbon Hollow Spheres by Direct Pyrolysis and Analysis of its Application for the Photodegradation of Textile Dyes, Bharathiar University, India
67. 2018, Kumar, S., Fabrication of ZnO Based Nanomaterials for Optical and Electrical Applications, Anna University, India
68. 2018, Vimaladevi, L., Positron Annihilation, Optical and Photocatalytic Studies on RE (La, Tb and Y) Doped CuONaocrystallites, Anna University, India

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

69. 2018, Kumaravelan, V., Synthesis, Characterization and Applications of Fe₃O₄ Immobilized Magnetic Nano Carbon Balls for the Adsorption of Textile Dyes under Batch and Column Mode, Arignar Anna Government Arts College, India
70. 2018, Padmaja, S., Influence of Gemini Surfactant on Fabrication of Visible Light Sensitive Mesoporous TiO₂-SrTiO₃ Nanocomposite and Co²⁺ & V⁵⁺ Co-doped Nanotitania: Dual Application in Photocatalytic Degradation of Dyes and Pathogenic Bacteria, Andhra University, India
71. 2019, Shanthamani, M., Phytochemical Investigation and Biological Activities of Some Medicinal Plants (Rubiaceae), Government Arts College, India
72. 2019, Dhevaraj, J., Synthesis, Characterization, Molecular Docking, Admet Properties and Antibacterial Screening of Novel Heterocyclic Compounds, Annamalai University, India
73. 2019, Ramya, R., Efficient Full Colour Organic Light-Emitting Diodes Based on Donor-Acceptor Electroluminescent Materials with Reduced Singlet-Triplet Splitting Energy Gap, Annamalai University, India
74. 2019, Jeevanantham, V, Investigation of Transition Metal Doped and Polymer Capped ZnO Nanoparticles for Photocatalytic, Antibacterial and Corrosion Applications, Anna University, India
75. 2019, Padmalaya G, Development of Surface Functionalized Metal Oxide Nanosystems for Electrochemical Sensing of Heavy Metals and Chemical Constituents, Anna University, India
76. 2019, Vimaladevi, L, Positron Annihilation, Optical and Photocatalytic Studies on REE (La, Tb and Y) Doped CuONanocrystallites, Anna University, India
77. 2019, Ezhilmathi, Synthesis, Spectral, Molecular Docking and Antimicrobial Studies of Some Selected Imidazole and Indole Derivatives, Annamalai University, India
78. 2019, Selva Kumar, Corrosion Behavior of Brass in Phosphoric Acid and Its Control by Natural Inhibitor, Bharatiyar University, India
79. 2019, Rajput, H., Studies on the treatment of Biorecalcitrants present in Pulp & Paper Mill Effluents using Photoelectrocatalysis, Thapar Institute of Engineering & Technology, India
80. 2019, Kadirvelu, K., Activated Carbon for Environmental Protection, Bharatiyar University, India
81. 2019, Al'Abri, A., Synthesis, Characterization and Applications of Cu(Ii), Zn(Ii),Ni(Ii) and Cd(Ii) Coordination Polymers Fabricated with 1,2,4,5-Benzenetetracarboxylic Acid and Piperazine in Separation and Electrochemical Studies, University of Malaya, Malaysia
82. 2020, Malhotra,, M., Evaluation of Recycling Options for Sludge from a Sewage Treatment Plant, Indian Institute of Technology Bombay, India
83. 2020, Ezhilmathi, P., Synthesis and Spectral Molecular Docking, Annamalai University, India
84. 2020, Chandrakumari, S., Synthesis, Characterization, Molecular Docking and Antifungal Evaluation, Annamalai University, India
85. 2020, Salonen, M., Complex Formation of Pyridime Oximes with Divalent Transition Metal Ions in Aqueous Solutions, University of Helsinki, Finland
86. 2020, Bazta, O., Elaboration and Characterization of ZnO based Materials, University of Cadiz, Spain
87. 2021, Thakur, B., Nanocomposite Hydrogels: Fabrication, Characterization and Applications, Shoolini University of Biotechnology and Management Sciences, India
88. 2021, Bhogal, S., Trimetallic Nanoparticles and their Nanocomposites; Fabrication, Characterization and Applications, Shoolini University of Biotechnology and Management Sciences, India
89. 2021, Gulzar, A., Synthesis and characterization of metal sulfide nanostructures for sensing applications, University of Faisalabad, Pakistan
90. 2021, Savitha, K., Synthesis, Spectral Characterization and Biological Applications of Homo Binuclear Schiff Base Metal(Ii) Complexes Derived from P-Aminophenol Derivatives, KandaswamiKandar's College, India
91. 2021, Roy, T., New Heterogeneous Catalysts for Green and Faster Biodiesel Production, IIT (BHU), India
92. 2021, Aktar, J., Developing Ecofriendly Nano-particulate Adsorbents using Iron-plant Polyphenols, Understanding the Molecular Properties and their Environmental Applications, IIT Guwahati, India

c. MSc thesis

1. 2010, Marcin Olpiński, The Removal of Heavy Metal Ions on Modified Chitosan/Silica Hybrid Material, Rzeszow University of Technology, Poland
2. 2014, Rejoice Malisa, Treatment of Acidic Metal-Rich Effluents with a Cation-Exchange Resin Followed by Freeze Desalination, Tshwane University of Technology, South Africa
3. 2020, Khathutshelo Lilith Muedi, Recovery of Fe-Polymeric Species from Acid Mine Drainage and Their Respective Applications in the Removal of Pollutants from Wastewaters, University of Pretoria, South Africa

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

4. 2021, Lehlogonolo S. Tabana, Efficacy of Calcined Layered Double Hydroxide Clays in the Remediation of Phenol from Wastewater, University of Pretoria, South Africa
5. 2021, Nepfumbada Collen, Co-treatment of municipal wastewater (MWW) and acid mine drainage (AMD) using a hybrid approach: A complementary study, University of Venda, South Africa
6. 2021, Boniface Orero, UV photodegradation of textile dyes using TiO₂-ZNO supported on banana peel activated carbon, Botswana International University of Science & Technology, Botswana

2) An Opponent for Doctoral Thesis Defense and a member of the promotion committee

1. 2002, van Nieuwenhuijzen, A., Physical-Chemical Pre-treatment of Wastewater – the Role of Particle Removal in Wastewater Systems, Delft University of Technology, The Netherlands
2. 2010, Klauson, D., Aqueous Photocatalytic Oxidation of Non-Biodegradable Pollutants, Tallinn University of Technology, Estonia
3. 2011, Ilander, A., Development of Ultrasound-assisted Digestion Methods for the Determination of Toxic Element Concentrations in Ash Samples by ICP-OES, University of Jyväskylä, Finland
4. 2012, Ahkola, H., Passive Sampling In Monitoring Of Nonylphenol Ethoxylates And Nonylphenol In Aquatic Environments, University of Jyväskylä, Finland
5. 2014, Perkola, N., Fate of Artificial Sweeteners and Perfluoroalkyl Acids in Aquatic Environment, University of Helsinki, Finland
6. 2014, Tuomikoski, S., Utilisation of Gasification Carbon Residues – Activation, Characterisation and Use as an Adsorbent, University of Oulu, Finland
7. 2016, Lindholm-Lehto, P., Occurrence of Pharmaceuticals in Municipal Wastewater Treatment Plants and Receiving Surface Waters in Central and Southern Finland, University of Jyväskylä, Finland
8. 2018, Muliwa, A.M., Remediation of Mine Impacted Water Using Natural and Engineered Hybrid Materials, Tshwane University of Technology, South Africa

3) Reviewer for the articles submitted to a publication in

1. Accounts of Chemical Research
2. ACS Applied Materials & Interfaces
3. ACS Nano
4. ACS Sustainable Chemistry & Engineering
5. Adsorption
6. Adsorption Science and Technology
7. Advances in Environmental Research
8. Advances in Materials Science and Engineering
9. African Journal of Agricultural Research
10. African Journal of Biotechnology
11. African Journal of Environmental Science and Technology
12. African Journal of Microbiology Research
13. African Journal of Pure and Applied Chemistry
14. Agriculture
15. Ain Shams Engineering Journal
16. Alexandria Engineering Journal
17. American Chemical Science Journal
18. Analytical and Bioanalytical Chemistry
19. Analytica Chimica Acta
20. Analytical Chemistry
21. Analytical Letters
22. Applied Catalysis B: Environmental
23. Applied Microbiology and Biotechnology
24. Applied Sciences
25. Applied Surface Science
26. Applied Water Science
27. Arabian Journal of Chemistry
28. Archives of Industrial Hygiene and Toxicology

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

29. Artificial Intelligence in Geosciences
30. Atmospheric Environment
31. Atmospheric Pollution Research
32. Australian Journal of Soil Research
33. Biochemical Engineering Journal
34. Biochemical Sciences
35. Biochemie
36. Biomass and Bioenergy
37. Bioprocess and Biosystems Engineering
38. Bioresources
39. Biosensors and Bioelectronics
40. Biotechnology and Bioprocess Engineering
41. Brazilian Journal of Chemical Engineering
42. Carbohydrate Polymers
43. Carbon
44. Catalysts
45. Cellulose
46. ChemBioEng Reviews
47. Chemical Engineering Communications
48. Chemical Engineering and Processing: Process Intensification
49. Chemical Engineering Journal
50. Chemical Engineering Research and Design
51. Chemical Engineering & Technology
52. Chemical Reviews
53. Chemical Sciences Journal
54. Chemosphere
55. CLEAN Soil, Air, Water
56. Colloids and Surfaces A: Physicochemical and Engineering Aspects
57. Composites Part A
58. Comprehensive Research Journal of Biological Science
59. Critical Reviews in Environmental Science and Technology
60. Current Analytical Chemistry
61. Current Nanoscience
62. Desalination
63. Desalination and Water Treatment
64. Drying Technology
65. ECS Journals
66. Ecotoxicology and Environmental Safety Registration
67. Electrochimica Acta
68. Energy Conversion and Management
69. Environment Protection Engineering
70. Environmental Chemistry Letters
71. Environmental Engineering and Ecological Science
72. Environmental Engineering and Management Journal
73. Environmental Engineering Science
74. Environment, Development and Sustainability
75. Environmental Microbiology and Environmental Microbiology Reports
76. Environmental Monitoring and Assessment
77. Environmental Nanotechnology, Monitoring & Management
78. Environmental Pollution
79. Environmental Progress
80. Environmental Progress & Sustainable Energy
81. Environment Protection Engineering
82. Environmental Science
83. Environmental Science & Pollution Research
84. Environmental Science & Technology
85. Environmental Science: Water Research & Technology

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

86. Environmental Technology
87. Environmental Technology and Innovation
88. Environmental Toxicology & Chemistry
89. European Journal of Medicinal Chemistry
90. Experimental and Molecular Pathology
91. Fibers and Polymers
92. Fluid Phase Equilibria
93. Food Analytical Methods
94. Food Science and Human Wellness
95. Fresenius Environmental Bulletin
96. Frontiers in Earth Science
97. Fuel Processing Technology
98. Geoderma
99. Green Chemistry Letters and Reviews
100. Green Processing and Synthesis
101. Human and Ecological Risk Assessment: An International Journal
102. Hydrometallurgy
103. IET Nanobiotechnology
104. Industrial & Engineering Chemistry Research
105. InorganicaChimica Acta
106. International Biodeterioration & Biodegradation
107. International Journal for Biotechnology and Molecular Biology Research
108. International Journal of Biological Macromolecules
109. International Journal of Chemical Engineering
110. International Journal of Environmental Analytical Chemistry
111. International Journal of Environmental Research and Public Health
112. International Journal of Environmental Science & Technology
113. International Journal of Hydrogen Energy
114. International Journal of Photoenergy
115. International Journal of Physical Sciences
116. International Journal of Phytoremediation
117. International Journal of Water Resources and Environmental Engineering
118. International Research Journal of Pure and Applied Chemistry
119. Invitation to Review for New Journal of Chemistry
120. International Soil and Water Conservation Research
121. Ionics
122. Iranian Journal of Chemistry and Chemical Engineering
123. Iranian Polymer Journal
124. Johnson Matthey Technology Review
125. Journal of Advanced Oxidation Technologies
126. Journal of Advanced Research
127. Journal of Agricultural Science
128. Journal of Alloys and Compounds
129. Journal of the American Water Works Association
130. Journal of Analytical & Bioanalytical Technique
131. Journal of Analytical Chemistry
132. Journal of Applied Biomedicine
133. Journal of Applied Chemistry
134. Journal of Applied Polymer Science
135. Journal of Chemical & Engineering Data
136. Journal of Chemical Engineering & Process Technology
137. Journal of Chemical Technology & Biotechnology
138. Journal of Chemistry
139. Journal of Chromatographic Science
140. Journal of Chromatography A
141. Journal of Cleaner Production
142. Journal of Cluster Science

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

143. Journal of Colloid and Interface Science
144. Journal of Electroanalytical Chemistry
145. Journal of Ecology and Natural Environment
146. Journal of Engineering and Technology Research
147. Journal of Electronic Materials
148. Journal of Environmental and Public Health
149. Journal of Environmental Chemical Engineering
150. Journal of Environmental Chemistry and Ecotoxicology
151. Journal of Environmental Management
152. Journal of Environmental Monitoring
153. Journal of Environmental Sciences
154. Journal of Environmental Science and Health, Part A
155. Journal of Food Engineering
156. Journal of Food Processing and Preservation
157. Journal of Hazardous Materials
158. Journal of Hydrogen Energy
159. Journal of Industrial and Engineering Chemistry
160. Journal of Infection and Public Health
161. Journal of Ion Exchange
162. Journal of King Saud University (Science)
163. Journal of Materials Science
164. Journal of Membrane Science
165. Journal of Modern Science
166. Journal of Molecular Liquids
167. Journal of Nanomaterials
168. Journal of Nanostructure in Chemistry
169. Journal of Nuclear Energy Science & Power Generation Technology
170. Journal of Petroleum and Gas Engineering
171. Journal of Pharmaceutical Analysis
172. Journal of Pharmaceutical and Biomedical Analysis
173. Journal of Polymers and The Environment
174. Journal of Scientific and Industrial Research
175. Journal of Separation Science
176. Journal of Soils and Sediments
177. Journal of Taibah University for Science
178. Journal of Technology Innovations in Renewable Energy
179. Journal of the American Water Works Association
180. Journal of the Taiwan Institute of Chemical Engineers
181. Journal of Toxicology and Risk Assessment
182. Journal of Water and Health
183. Journal of Water Process Engineering
184. Journal of Zhejiang University – SCIENCE A
185. The Korean Journal of Chemical Engineering
186. Langmuir
187. Latin American Applied Research Journal
188. Letters in Organic Chemistry
189. Limnological Review
190. Macromolecular Bioscience
191. Materials
192. Materials and Design
193. Materials Characterization
194. Materials Chemistry and Physics
195. Materials Letters
196. Materials Science and Engineering C
197. Materials Science in Semiconductor Processing
198. MDPI Journal
199. Mediterranean Journal of Chemistry

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

200. Membrane Water Treatment
201. Merit Research Journal of Environmental Science and Toxicology
202. Metals
203. Microfluidics and Nanofluidics
204. Microporous & Mesoporous Materials
205. Microsystem Technologies
206. Molecules
207. Nano Energy
208. Nano Journals
209. Nanomaterials
210. Nanomaterials and Nanotechnology
211. Nanoscale
212. Nature Sustainability
213. Naturwissenschaften
214. New Journal of Chemistry
215. Nuclear Science and Techniques
216. Open Chemistry
217. Physica C
218. Physical Chemistry Chemical Physics
219. Philosophical Magazine
220. Polish Journal of Environmental Studies
221. Process Biochemistry
222. Process Safety and Environmental Protection
223. Research on Chemical Intermediates
224. ScienceAsia
225. Science of Total Environment
226. Scientific African
227. Scientific Reports
228. Scientific Research and Essays
229. Sensors
230. Separation and Purification Technology
231. Separation Science and Technology
232. Solid State Sciences
233. Songklanakarin Journal of Science and Technology
234. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
235. Springer Journals
236. Sustainability
237. Sustainable Materials and Technologies
238. Talanta
239. Terrestrial and Aquatic Environmental Toxicology
240. The Electrochemical Society Journals
241. Thin Solid Films
242. Transactions of Tianjin University
243. Toxicological and Environmental Chemistry
244. Ultrasonics Sonochemistry
245. Waste Management
246. Water
247. Water Environment Research
248. Water Research
249. Water Resources and Industry
250. Water SA
251. Water Science and Technology

4) Editorial experience

1. 2006 – present, Research Journal of Chemistry and Environment, Member of Editorial Board,
2. 2010 – present, International Journal of Environmental Science and Technology, Member of Editorial Board, Springer

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

- 2011 – present, Journal of Environmental Engineering and Ecological Science, Senior Editorial Board Member, Herbert Publication Ltd.
- 2011 – 2014, International Journal of Photoenergy, Guest Editor of Special Issue on Advanced Oxidation Processes for Wastewater Treatment, Hindawi Publishing Corporation
- 2013 – present, Journal of Nanostructure in Chemistry, Associate Editor, Springer
- 2014 – 2019, Separation and Purification Technology, Member of Editorial Board, Elsevier
- 2015 – present, Engineering and Applied Science Research, Member of Editorial Board, KhonKaen University
- 2017 – present, Global Journal of Environmental Science and Management- GJESM, Member of Editorial Board, ISWA Society
- 2017 – present, International Journal of Environmental Research and Public Health, Member of Editorial Board, MDPI AG
- 2020 – present, Nepal Journal of Environmental Science, Central Department of Environmental Science, Tribhuvan University
- 2020 – present, Frontiers in Environmental Chemistry, Field Chief Editor, Frontiers
- 2020 – present, Environmental Chemistry Letters, Editor, Springer
- 2020 – present, Inorganic Chemistry Communications, Editor, Elsevier
- 2020 – present, Rasayan Journal of Chemistry, Editor, Rasayan Journal
- 2020 – present, Water Science & Technology, Associate Editor, IWA Publishing
- 2020 – present, Water, Editorial Board Member, MDPI
- 2021 – present, Environmental and Toxicology Management, Associate Editor, UNUSA
- 2021 – present, Adsorption Science and Technology, Special Issue Editor, Hindawi Publishing Corporation
- 2021 – present, MDPI Polymers, Special Issue Editor
- 2021 – present, Chemosphere, Special Issue Editor
- 2021 – present, Frontiers in Chemistry, Research Topic Editor, Frontiers

5) Book or Book Chapter Reviewer

- 2005, Biogeochemistry of Complexing Agents (Book Chapter), *American Chemical Society*, USA
- 2008, Electrokinetic Soil Remediation (Book Chapter), *American Chemical Society*, USA
- 2010, Recent Developments and Applications of Functional Nanomaterials for Water Treatment (Book), *Wiley*, Germany
- 2014, Electrochemical technologies for industrial effluent treatment: Electrochemical technologies for industrial effluent treatment (Book Chapter in Handbook of Research on Advancements in Environmental Engineering), *IGI Global*,
- 2015, Nanotechnology in Food Industry, *Elsevier*, India
- 2015, Pulp and Paper Industry: Chemical Recovery (Book proposal review), *Elsevier*, The Netherlands
- 2015, Environmental Pollution: Tracking and Focusing on the Dirty Dozen (Book proposal review), *Wiley*, USA
- 2015, The Recovery of Gold from Secondary Sources, *World Scientific Publishing*, UK
- 2016, Nanotechnology for Water and Wastewater Treatment, *Elsevier*, UK
- 2016, Improving Water Quality by Various Purification Techniques, *Elsevier*, USA
- 2018, Biotechnology in Chemical Industry, *Elsevier*, USA
- 2018, Adsorption: Fundamental Processes and Applications, *Elsevier*, USA
- 2019, Sorbents Materials to Control Environmental Pollution, *Elsevier*
- 2019, Adsorption: How to do correct experiment, analyze data, and propose mechanism, Elsevier
- 2020, Handbook of Greener Synthesis of Nanomaterials and Compounds, Elsevier
- 2021, New Trends in Eco-efficient and Recycled Concrete, Elsevier

6) Editor of Conference Proceedings

- 2007, Proceedings of the 8th Finnish Conference on Environmental Sciences, *Finnish Society of Environmental Sciences*, Finland
- 2017, 13th International Mine Water Association Congress - Mine Water & Circular Economy, *International Mine Water Association*, Finland

7) Evaluator of project applications/research positions

- 2002, Academy of Finland, Research Projects, Finland

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

2. 2005, Academy of Finland, 2005 Academy of Finland Finland Chairman of the
3. International Evaluation Panel, Finland
4. 2005-2006, EU IntasProgramme, Research Projects, Belgium
5. 2007-2008, Austrian Science Fund, Research Projects, Austria
6. 2007, EU SEE-ERA.NET, Research Projects, Belgium
7. 2008, Netherlands Organization for Scientific Research, Research Projects, The Netherlands
8. 2008, Georgian National Science Foundation, Research Projects, Georgia
9. 2008, University of Bath, Applicant Review, The UK
10. 2009, EU EuroStarsprogramme/EUREKA, Research Projects, Belgium
11. 2009, EU EUREKA CORNET/ERA.NET, Research Projects, Belgium
12. 2009, Queen's University Belfast, Applicant Review, Ireland
13. 2009, University of Gloucestershire, Applicant Review, The UK
14. 2009, EU SKEP/ERA.NET, Research Projects, The UK
15. 2009, Georgian National Science Foundation, Research Projects, Georgia
16. 2009, FONDECYT National Fund for Scientific and
17. Technological Development, Research Projects, Chile
18. 2009, Austrian Science Fund, Research Projects, Austria
19. 2009, EU EUREKA CORNET/ERA.NET, Research Projects, Belgium
20. 2010, EU EuroStarsprogramme/EUREKA, Research Projects, Belgium
21. 2010, EU EuSME/EUREKA, Research Projects, Belgium
22. 2010, National Research Foundation/ The Environment and Water Industry Programme, Research Projects, Singapore
23. 2010, Republic of Serbia/Ministry of Science and Technology, Research Projects, Serbia
24. 2011, Royal Society of Chemistry/The Leverhulme – Royal Society Africa Award, Research Projects, the UK
25. 2011, Georgian National Science Foundation, Research Projects, Georgia
26. 2011, EU EuroStarsprogramme/EUREKA (two calls), Research Projects, Belgium
27. 2011, United Nations Environmental Programme – GEO-5 report, Principal Scientific Reviewer,
28. 2011, Cyprus University of Technology, Member of Electoral Body/Academic Positions, Cyprus
29. 2011-2012, EU FP7 SME - AGRO, Research Projects - Evaluator, Belgium
30. 2011-2012, Sultan Qaboos University, Academic Promotion Applications, Research Projects - Evaluator, Oman
31. 2012, Romanian National Council for Research and Development, Research Projects, Romania
32. 2012, The Technology Foundation STW/funded by the Netherlands Organisation for Scientific Research and the Dutch Ministry of Economic Affairs, Applicant Review, The Netherlands
33. 2012, Royal Society of Chemistry, Brian Mercer Award for Innovation application, the UK
34. 2012-2013, EU FP7 SME - AGRO, Research Projects - Rapporteur, Belgium
35. 2013, Sultan Qaboos University, Researcher Rank Evaluation, Evaluator, Oman
36. 2013, FORTH, Researcher Rank Evaluation, Evaluator, Greece
37. 2013, Victoria University of Wellington, Referee Report, New Zealand
38. 2013, Finnish Work Environment Fund, Evaluator, Finland
39. 2013, University of Helsinki, Associate Professor in Water Chemistry (tenure track) - Applicant Review, Finland
40. 2013, Canada Foundation for Innovation (CFI), Project Evaluation, Canada
41. 2013, Villanova University, Evaluation for the position of Post-Doctoral Teaching Fellow in Environmental Chemistry, USA
42. 2013, The Technology Foundation (STW) of the Netherlands Organisation for Scientific Research (NWO), Project Review, The Netherlands
43. 2014, Portuguese Foundation for Science and Technology (FCT), Project Review, Portugal
44. 2014, Government of India, Department of Atomic Energy, Board of Research in Nuclear Sciences (BRNS), Applicant Review, India
45. 2014, The Finnish Work Environment Fund, Project Review, Finland
46. 2014, National Research Foundation (NRF), Project Review, South Africa
47. 2015, SFS-2B-2015: Assessing soil-improving cropping systems, Research Projects - Evaluator, Belgium
48. 2015, German Aerospace Agency (DLR), ERANETMED call, Research Projects - Evaluator, Germany
49. 2015, New Zealand Ministry of Business, Innovation & Employment (MBIE), Project Review, New Zealand
50. 2015, National Science Centre, Research Projects - Evaluator, Poland
51. 2015, Millennium Award, Candidate Evaluator, Finland
52. 2015, Swiss National Science Foundation, Research Projects - Evaluator, Switzerland
53. 2016, National Science Centre, Research Projects - Evaluator, Poland

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

54. 2016, German Aerospace Center - funding call on "Global Change Research", Research Projects - Evaluator, Germany
55. 2016, EU EuroStarsprogramme/EUREKA, Research Projects - Evaluator, Belgium
56. 2016, The Natural Sciences and Engineering Research Council of Canada (NSERC), Research Projects - Evaluator, Canada
57. 2016, EU EuroStarsprogramme/EUREKA, Research Projects - Evaluator, Belgium
58. 2016, The College of Sciences at the King Fahd University of Petroleum&Minerals, Research Projects - Evaluator, Saudi Arabia
59. 2016, Tallinn University of Technology, Candidate Evaluator, Estonia
60. 2016, European Research Council Starting Grants 2016 (ERC), Research Projects – Evaluator, Brussels
61. 2016, The Ministry of National Education and Scientific Research and its Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), Project Review, Romania
62. 2016, Executive Agency for Higher Education, Research, Development and Innovation Funding, Research Projects – Evaluator, Romania
63. 2016, University of Exeter, Referee Report, UK
64. 2016, Deutsches Zentrum für Luft- und Raumfahrt Junior Research Groups Global Change- 4+1, Research Projects – Evaluator, Germany
65. 2016, Jawaharlal Nehru University, JNU
66. UGC-Faculty Recharge Programme, Candidate Evaluator, New Delhi
67. 2016, South Africa's National Research Foundation (NRF) Specialist Committee, Project Review, South Africa
68. 2017, Research Grants Council (RGC) of Hong Kong, Research Projects – Evaluator, Hong Kong
69. 2017, National Science Centre, Research Projects- Evaluator, Poland
70. 2017, EU EuroStarsprogramme/EUREKA, Research Project- Evaluator, Belgium
71. 2017, Estonian Research Council (ETAg), Research Project- Evaluator, Estonia
72. 2017, Vaal University of Technology (VUT), Moderator, South Africa
73. 2018, Research Grants Council (RGC), Research Projects- Evaluator, Hong Kong
74. 2018, Deutsche Forschungsgemeinschaft (German Research Foundation), Research Projects- Evaluator, Germany
75. 2018, Israeli Ministry of Science and Technology, Research Projects- Evaluator, Israel
76. 2018, Central Finance and Contracting Agency (CFCA) of the Republic of Latvia
77. 2019, Research Grants Council (RGC) of Hong Kong (several applications)
78. 2019, Australian Antarctic Science Application (several applications)
79. 2019, Grant proposal for the National Science Center, Poland
80. 2019, Research Proposal Review at United Arab Emirates University (UAEU)
81. 2020, Research Grants Council (RGC) of Hong Kong (several applications)
82. 2020, Executive Agency for Higher Education, Research, Development and Innovation Funding, Research Projects – Evaluator, Romania
83. 2020, European Science Foundation, External reviewer in the frame of FWO-FRP-20_Sci-Tech
84. 2021, European Science Foundation, External reviewer in the frame of 20-FWO-PDOC
85. 2021, University of Pretoria, Tenure Track Evaluator, South Africa
86. 2021, European Science Foundation, External reviewer in the frame of AXA-THEME1
87. 2021, National Research Foundation (NRF), Evaluator, South Africa
88. 2021, European Science Foundation, External Reviewer in the frame of UNINA-EPIG
89. 2021, African Research Initiative for Scientific Excellence, pilot programme (ARISE-PP), Evaluator
90. 2021, European Commission, HORIZON-MSCA-PF-2021- MSCA Postdoctoral Fellowships, Evaluator
91. 2021, Executive Agency for Higher Education, Research, Development and Innovation Funding, Research Projects – Evaluator, Romania

8) **International Water Association (IWA) WaterWiki Editor 2010-2012**

<http://www.iwaterwiki.org/xwiki/bin/view/Articles/WaterWikiEditorialBoard#HMikaSillanp>

List of Supervision of Research Degree Students (1997- to date)

a. Ph.D. Degree (64 students)

1. 2003, Rämö, J, UO, Hydrogen Peroxide – Metals – Chelating Agents; Interactions and Analytical Techniques

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

2. 2005, Virkutyte, J, UKU, Heavy Metal Bonding and Remediation Conditions in Electrokinetically Treated Waste Medias
3. 2006, Metsärinne, S, UKU, Degradation of Novel and Conventional Complexing Agents
4. 2007, Matilainen, A, TUT, Removal of the Natural Organic Matter in the Different Stages of the Drinking Water Treatment Process (co-supervisor)
5. 2007, Pirkanniemi, K, UKU, Complexing Agents - a Study of Short-term Toxicity, Catalytic Oxidative Degradation, and Concentrations in Industrial Waste Waters
6. 2008, Rassaei, L, UKU, Assembly and Characterization of Nanomaterials into Thin Film Electroanalysis
7. 2010, Xiang, H, UEF, Water Quality in the Tibetan Plateau Chemical Evaluation of the Headwaters of Four Major Asian Rivers
8. 2010, Vilhunen, S, UEF, UVC Irradiation Based Water Treatment: a Study of UV light Emitting Diodes, Atomic Layer Deposited TiO₂ and Novel Applications
9. 2010, Leiviskä, T, UO, Coagulation and Size Fractionation Studies on Pulp and Paper Mill Process and Wastewater Streams
10. 2011, Repo, E, LUT, EDTA- and DTPA-functionalized Silica Gel and Chitosan Adsorbents for the Removal of Heavy Metals from Aqueous Solutions
11. 2011, Pham AT, LUT, Sewage Sludge Electro-Dewatering
12. 2012, Oonittan, A, LUT, Application of Electrokinetic Fenton Process for the Remediation of Soil Contaminated with HCB
13. 2012, Panula-OnttoSuuronen, A, UEF, Impact of Environmental Programs in Point of View of Information Formation. South Savo Environmental Program as an Example
14. 2012, Vepsäläinen, M, LUT, Electrocoagulation in the Treatment of Industrial Waters and Wastewaters
15. 2013, Tuutijärvi, T, AU, Arsenate Removal from Water by Adsorption with Magnetic Nanoparticles (γ -Fe₂O₃)
16. 2013, Särkkä, H, LUT, Electro-Oxidation Treatment of Pulp and Paper Mill Circulating Waters and Wastewaters
17. 2013, Kumar, E, Linnaeus University, Removal of Inorganic Anionic Pollutants from Water Using Adsorption Technology
18. 2014, Holopainen, S, LUT, Ion Mobility Spectrometry in Liquid Analysis
19. 2014, Pham, TD, LUT, Ultrasonic and Electrokinetic Remediation of Low Permeability Soil Contaminated with Persistent Organic Pollutants
20. 2014, Hokkanen, S, LUT, Modified Nano- and Microcellulose Based Adsorption Materials in Water Treatment
21. 2014, Shaiful Sajab, M, The National University of Malaysia, The Potential of Chemically Modified Oil Palm Empty Fruit Bunch (EFB) Fibers as Adsorbent for Wastewater Treatment
22. 2015, Ssebugere, P, LUT, Persistent Organic Pollutants in Sediments and Fish from Lake Victoria, Uganda
23. 2015, Abdel-Wahed M, LUT, Geochemistry and water quality of Lake Qarun, Egypt
24. 2015, Zhang, Y, LUT, Modification of Photocatalyst with Enhanced Photocatalytic Activity for Water Treatment
25. 2015, Maydannik, P, LUT, Roll-To-Roll Atomic Layer Deposition Process for Flexible Electronics Applications
26. 2015, Smith, A, LUT, New Methods for Controlling Twin Configurations and Characterizing Twin Boundaries in 5M Ni-Mn-Ga for the Development of Applications
27. 2015, Aurinko, H, LUT, Risk Assessment of Modern Landfill Structures in Finland
28. 2016, Alatalo, S, LUT, Hydrothermal Carbonization in The Synthesis of Sustainable Porous Carbon Materials
29. 2016, Shestakova, M, LUT, Ultrasound-Assisted Electrochemical Treatment of Wastewater Containing Organic Pollutants by Using Novel Ti/Ta₂O₅-SnO₂ Electrodes
30. 2016, Jafari, S, LUT, Investigation of Adsorption of Dyes onto Modified Titanium Dioxide
31. 2016, Levchuk, I, LUT, Titanium Dioxide-Based Nanomaterials for Photocatalytic Water Treatment
32. 2016, Oleksienko, O, LUT, Physico-Chemical Properties of Sol-Gel Synthesized Titanosilicates For the Uptake of Radionuclides from Aqueous Solutions
33. 2017, Qu, B, LUT, Water Chemistry and Greenhouse Gases Emissions in The Rivers of the “Third Pole”/”Water Tower of Asia”
34. 2017, Al-Hamdi, A, LUT, Synthesis and Comparison of The Photocatalytic Activities of Antimony, Iodide and Rare Earth Metals on SnO₂ For the Photodegradation of Phenol and Its Intermediates Under EV, Solar and Visible Light Irradiations
35. 2017, Azam, R, LUT, The Study of Chromium Nitride Coating by Asymmetric Bipolar Pulsed DC Reactive Magnetron Sputtering
36. 2017, Zhao, F, LUT, Cross-Linked Chitosan and B-Cyclodextrin as Functional Adsorbents in Water Treatment
37. 2018, Iakovleva, E., LUT, Novel Sorbents from Low-Cost Materials for Water Treatment

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

38. 2018, Kalliola, S, LUT, Fabrication Novel Green Surfactant in the Form of Soluble Compounds and Nano- and Microparticles from Cellulose and Chitosan
39. 2018, Demesa, A, LUT, Towards sustainable production of value-added chemicals and materials from lignocellulosic biomass: carboxylic acids and cellulose nanocrystals
40. 2019, Iftikhar, S, LUT, Synthesis of hybrid bio-nanocomposites and their application for the removal of rare earth elements from synthetic wastewater
41. 2019, Ramasamy, D, LUT, Selective recovery of rare earth elements from diluted aqueous streams using N- and O- coordination ligand grafted organic-inorganic hybrid composites
42. 2019, Ivanova, T, LUT, ALD and Plasma Technologies in Catalysis and Surface Treatment
43. 2019, Nekoueian, K, LUT, Modification of Carbon Paste Electrode by Using Metal Nanostructures: Application to Voltammetric Determination of Some Pharmaceutical and Biological Compounds
44. 2019, Doshi, B, LUT, Towards a sustainable valorization of spilled oil by establishing a green chemistry between a surface active moiety of chitosan and oils
45. 2019, Gurung, K, LUT, Membrane bioreactor for the removal of emerging contaminants from municipal wastewater and its viability of integrating advanced oxidation processes
46. 2020, Mamelkina, M, LUT, Treatment of mining waters by electrocoagulation
47. 2020, Ambat, I, LUT, Application of diverse feedstocks for biodiesel production using catalytic technology
48. 2020, Burgos Castillo, R, LUT, Fenton chemistry beyond remediating wastewater and producing cleaner water
49. 2020, Yan, F, LUT, The deposition and light absorption property of carbonaceous matter in the Himalayas and Tibetan Plateau
50. 2020, Safaei, Z, LUT, Application of differential ion mobility spectrometry for detection of water pollutants
51. 2021, Viitala, M, LUT, The heterogeneous nature of microplastics and the subsequent impacts on reported microplastic concentrations
52. 2021, Zeng, H, LUT, Continuous Electrochemical Activation of Peroxydisulfate Mediated by Single-Electron Shuttle
53. 2021, Bresolin, B, LUT, Synthesis and Performance of Metal-halide Perovskites as New Visible Light Photocatalysts
54. 2021, Bessaeis, H, Tunis El Manar University, Elimination of Inorganic Pollutants (Arsenic, Antimony, Fluorine) by Adsorption on New Materials Based on Layered Double Hydroxides
55. 2021, Mamdouh, A, Beni Suef University, Assessment of the Risks And Benefits of Discharged Alum Drinking Water Treatment Plants (Dwtps) Sludge on Water Quality at Fayoum Governorate, Egypt
56. 2021, Rzig, B, Tunis El Manar University, Elimination des polluants des eaux par adsorption sur les biomasses
57. 2021, Orona Navar, C, Tecnológico de Monterrey, Synthesis, characterization, and application of micro- and nanomaterials for the removal of organic contaminants from groundwater and wastewater
58. 2021, Rahali, S, National Institute of Research and Physico-chemical Analysis, Extraction et valorisation des métaux à haute valeur ajoutée en utilisant de nouveaux liquides ioniques
59. 2021, Hamdi, D, Université de Gabès, Développement de films à base TiO₂ et étude des performances photocatalytiques pour la dégradation d'un colorant type
60. 2021, Melliti, A, Tunis El Manar University, Étude de l'élimination des polluants organiques et inorganiques des eaux par adsorption sur un charbon actif synthétisé à partir des fibres de palmier dattier
61. Ongoing, Wang, Z, LUT
62. Ongoing, Ponomarev, N, LUT
63. Ongoing, Mohammadi, R, LUT
64. Ongoing, Tsering, T, LUT
65. Ongoing, Pastushok, O, LUT
66. Ongoing, Rumky, J, LUT
67. Ongoing, Shahid, K, LUT
68. Ongoing, Deb, A, UH
69. Ongoing, Song, Y, LUT
70. Ongoing, Theuri, S, TUNI
71. Ongoing, Tam, D, LUT

b. Licentiate Theses (9 Students)

1. 1997, Sorvari, J, HUT, Environmental Effects and Gas Chromatographic Analysis of EDTA and DTPA in Natural Waters

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

- 2000, Zhang, Y, HUT, Effect of Some Metal Ions from Pulp and Paper Mill Effluents on Activated Sludge Process
- 2001, Rämö, J, HUT, Alkaline Hydrogen Peroxide Solution; Behaviour of Metals and Analytics in Pulp Matrix
- 2002, Hendrickx, T, UO, Study on the Influence of the Nutrient Balance on Biofilm Composition in the Biofilter Process of the Taskila Wastewater Treatment Plant
- 2003, Pirkanniemi, K, HUT, Homogenous and Heterogenous Catalysis as an Environmental Application – A Special Focus on the Degradation of Complexing Agents
- 2004, Matilainen, A, TUT, Characterization of the Organic Matter Transformation in the Different Stages of the Water Treatment Process
- 2006, Haimi, H, HUT, An Intermittently Aerated Carrier Process for Wastewater Treatment
- 2008, Vilve, M, UKU, Ozonation of Nuclear Laundry Waters
- 2009, Tuutijärvi, T, UKU, Use of Iron Nanoparticles in Arsenic Removal

c. M.Sc. Degree (56 students)

- 1999, Tuulos-Tikka, S, HUT, Gas Chromatographic Determination of Nitrilotriacetic Acid in Waste and Natural Waters
- 2000, Tamminen, M, UH, Chelate Extraction and Acid Wash of Metals in Hard and Soft Wood and consequent analysis by ICP-AES
- 2000, Kujala, M, HUT, Determination of Different Metals in Pulp Matrix – Preliminary Studies on the Feasibility of the Pretreatment Automatization for the subsequent On-line Analysis with ICP
- 2000, Pirkanniemi, K, HUT, Degradation of Ethylenediaminetetraacetic Acid (EDTA) and Its Metal Complexes by Metallosulphophthalocyanine (MePcS) Catalysed Hydrogen Peroxide Oxidation
- 2001, Ruokanen, L, HUT, Degradation of Complexing Agents used in Pulp Bleaching by Catalysed Hydrolysis
- 2001, Poikajärvi, J, UO, The Impact of Road Salination on Chloride Contents in the Groundwater
- 2001, Hulkkonen, R, UO, The Electrokinetic Remediation of Soil Contaminated by Heavy Metals
- 2002, Juntunen, P, UO, Technical and economical efficiency of rapid sand filtration and UV-treatment as a tertiary treatment method
- 2002, Paavola, M, UO, The Impact of The Characteristics of Flocculation, its Forming, and other Issues on Flotation
- 2002, Järvinen, P, UO, The Chemical Removal of NH₃ from Municipal Wastewater
- 2002, Ahtiainen, M, UO, The Activation of Hydrogen Peroxide with Heterogeneous Iron Catalysts in the Oxidation of Persistent Organic Matter
- 2002, Anttila, L, UO, The Chemical Removal of NO₃-N from Industrial Waters
- 2002, Ruotsalainen, J, UO, Development of Compact Chemical-biological Process of Wastewater Treatment – Pilot-testing
- 2002, Santtila, J, UO, The Optimization of the Chemical Step of Water Treatment Plant
- 2003, Huuha, T, UO, The Removal of Silicate in the Closed Water Circulation of Paper Mills
- 2003, Määttä, R, UO, Dry and Water Cover Systems as a Closure Option for Management of Leftover Rock in Horsmanaho's Mining Area
- 2003, Isid, D, UO, Moving Bed Biological Nitrification in High Salinity Waters
- 2003, Uimarihuhta, H, UO, Contaminated Soil and Permission Procedure in the Operation of Finnish Road Administration
- 2003, Heikkinen, M, UO, Investigations on Activated Sludge Plant; Effect of Ferric-Nitrate, Bulking Sludge and Data Mining
- 2003, Salmela, M, UO, Treatment of Contaminated Soils of a Sawmill Area
- 2003, Jäntti, S, UO, Environmentalism in Production and Service of Vacation Plots and its Connection to Markets
- 2003, Karjalahti, M, UKU, Impact of Ozone-activated Carbon Treatment on Disinfection By-products of Bromide-Containing Water
- 2004, Katko, S, UO, The Availability of Geographical Data and the Possibilities of Joint Use between the Road District of Central Finland and Producing Organizations of the Data
- 2004, Sippula, O, UO, Analysis of the Fine Particle Production in Small Scale Wood Combustion
- 2006, Myllymäki, T-A, UO, Retention of Cu (II), Ni (II), and Zn (II) in naturally formed wetland
- 2006, Vuorio, A-M, UKU, Electrodialysis in the treatment of surface. treatment plant waste
- 2007, Niiranen, A-L, UKU, Potential Contaminated Soil Definition of Polystyrene Plant Area

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

28. 2008, Kankkunen, K, UKU, Pretreatments of the Surface Water Samples of the Mining Environment and their Impact on Water Quality Measurements
29. 2008, Korva, M, UKU, Heavy Metal Removal from Wastewater by Ion Exchange
30. 2008, Hyvärinen, M, UKU, Electrokinetic Remediation of Organic Compounds in Soil
31. 2009, Kivisaari, H, JyU, Electrocoagulation in the Treatment of Pulp and Paper Industry's Wastewater
32. 2011, Rautio, J., LUT, Detrimental Substances in the Pursiala Groundwater Area, Mikkeli
33. 2012, Paalanen, E., LUT, Assessment of the Suitability of Water Treatment Options at Fertilizer Plant
34. 2012, Kujala, A., LUT, Water Based Inkjet Inks in Water Circuits of DIP Lines and Possibilities for Removal
35. 2012, Heinonen, A., LUT, Adsorption of Hydrogen Sulfide by Modified Cellulose Nano/Microcrystals
36. 2012, Luukkonen, V., LUT, Determination of Chlorophenols from Water by Solid Phase Microextraction – Ion Mobility Spectrometry (SPME-IMS)
37. 2013, Forssell-Tattari, I., LUT, Improving the Dry Content of Biosludge with Electro-dewatering
38. 2013, Moldakhovskaia, L., LUT, Potential Utilization Ways of Recovered Chemical Products from Digestate.
39. 2013, Pulkka, S., LUT, Electrochemical Treatment of Wastewaters
40. 2014, Toivonen, J., LUT, Application of cerium oxide thin films grown by atomic layer deposition for soot removal
41. 2014, Front, S., LUT, Enhancing precipitation with pre-oxidation in purification of drinking water – Case water treatment plant of SuomenSokeri
42. 2014, Pyysing, S., LUT, Photocatalytic degradation of methylene blue by titanium dioxide thin films doped with gold nanoparticles
43. 2014, Gurung, K., LUT, Feasibility study of submerged membrane bioreactor (MBR) as an alternative to conventional activated sludge process (CASP) for municipal wastewater treatment: A pilot scale study
44. 2014, Azzuni, A., LUT, Design, implementation, and evaluation of an online water quality monitoring system in Lake Saimaa, Finland
45. 2015, Rytkönen, H., LUT, Adsorption of arsenic from ammonia-containing wastewater by ferrous hydroxide waste
46. 2015, Wang, X., LUT, An EDTA- β -cyclodextrin adsorbent for the adsorption of rare earth elements and its application in preconcentration of ultratrace rare earth elements from seawater
47. 2015, Al Jubury, M, LUT, Improve the Production Capacity: A Case Study of Eurofins Viljavuuspalvelu Oy
48. 2016, Cao, S, LUT, Studies on the Reactivity Activation of Zero-Valent Iron (ZVI) With Hydrogen Peroxide for Nitrate Reduction in Mine Water
49. 2016, Musin, E., LUT, Paper Deacidification and Preservation Using Zinc, Aluminium and Titanium Oxides Atomic Layer Deposition
50. 2016, Elo, T., LUT, Eurofins Viljavuuspalvelu Oy:n maanäytteiden kuivauksen tehostaminen
51. 2016, Cao, S., LUT, Studies on The Reactivity Activation of Zero-Valent Iron (ZVI) With Hydrogen Peroxide for Nitrate Reduction in Mine Water
52. 2017, Kucuk, M. E., LUT, Removal of Sulfate and Phosphate by Zn-Al Layered Doubled Hydroxides
53. 2017, Ponomarev, N., LUT, Synthesis of Novel Cellulose Based Nanocomposites by Green Methods and Their Possible Use as Adsorbents
54. 2017, Khan, S., LUT, Synthesis of High Capacity Adsorbents from Low-Cost Materials with Atomic Layer Deposition for Mine Water Treatment
55. 2018, Nguyen, G., LUT, Study on the Degradation of Acesulfame Potassium by UV-Led/Catalyst
56. 2019, Pathiraja, S., LUT, Optimisation of Alumina Coating by Atomic Layer Deposition (ALD) Process as a Protective Scheme for CsPbBr₃ Perovskite Quantum Dots
- 57.

d. B.Sc. Students (44 students)

1. 2006, Wang, C, HSE, Leveraging Chinese car brands. Positioning Chinese car brands in the minds of Finnish consumers
2. 2006, Tuominen, J, HSE, Logistics Development in Today's China
3. 2006, Lahti, P, HSE, Features for the successful venture to electronic commerce markets for brick-and-mortar companies
4. 2006, Kärki, K, HSE, Pride and prejudice: Dismantling Cultural Stereotypes of Finland
5. 2006, Kaarimaa, J, HSE, Economical Benefits of improved Environmental Performance
6. 2007, Bystrov, E, HSE, The West and the Rest – The Unbalanced Relationship Between the Developed and Least Developed Countries

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

7. 2007, Andersson, B, HSE, From Wholesaler to the service provider – Do current trends in the wholesale industry support Oninen's development of service concepts
8. 2007, Shehab, H, HSE, The rise of Real Estate prices in the Middle East due to Oil revenue
9. 2007, Mikkulainen, A, HSE, IS/IT Systems in a Multinational Corporation
10. 2007, Suojanen, J, HSE, The Analysis of UPM-Kymmene's Backward Integration Strategy into Energy Industry
11. 2008, Koivula, M T, HSE, Global Market Potential Survey for Savcor Forest Solid Wood EPR (Enterprise Resource Planning) Software Solution
12. 2008, Rantala, M, HSE, Analyzing the Economic Implications of the Nordic Electricity Trade. A Case Study: Finnish Electricity Markets
13. 2009, Murremäki, M, HSE, Facing Challenges in Exporting to Poland
14. 2009, Kareno, N., HSE, Strategic Management under Uncertainty
15. 2009, Vekkel, K., HSE, Establishing Joint Ventures in China
16. 2010, Korkealaakso, J., AU, National Competitiveness of Finland's Renewable Energy Sector
17. 2010, Lindelä, M., AU, Market Study of LED technology in Household Lighting
18. 2010, Vollner, N., AU, The Impact of Environmental Management Systems on Companies
19. 2011, Kekäläinen, A.-R., AU, Water – A Fundamental Right or a Product in the Market
20. 2011, Määttä, J., AU, Creating a Plan for the Market Entry for Enviro Oy in the Mining Industry Sector
21. 2011, Pitkänen, O., AU, Fresh Water Pollution Policies in Mexico
22. 2011, Trung, T., AU, Intercultural Management: Issues and Practices
23. 2011, Kolha, M., LUT, Wastewater Analysis
24. 2011, Luukkonen, V., LUT, Analytical Methods used in Water Quality Monitoring
25. 2012, Kautto, T., LUT, Environmental Fate of Synthesized Nanomaterials
26. 2012, Jaakkola, M., AU, Impact of Industrialized Animal Production and Trade on Global Water Resource
27. 2012, Lind, L., AU, Aid for Trade: A Comparative Study from the Donor's Perspective in Two Least Developed Countries
28. 2012, Lämsä, L., AU, Global Water Management
29. 2012, Takala, I., AU, Corporate Responses to Climate Change
30. 2012, Yrjölä, M., AU, Analysing the Migration Flows of China
31. 2013, Holopainen, H., LUT, Grease filtering with UV-light
32. 2013, Guo, X., AU, Environmental Challenges of China: A Study of how the Environmental Pollutions Impact on Chinese Economic Growth.
33. 2013, Koski, O., AU, Identifying Entry Strategies and Challenges to Entry for Finnish Cleantech Firms in China
34. 2013, Savolainen, J., AU, Understanding Emerging Markets through Economic Growth: A Case Study about Peru
35. 2013, Thao, T., AU, Attitudes towards Green Products and Purchase Intention: A Study of Vietnamese University Students
36. 2015, Renko, J., AU, Trade and Investment Opportunities between Finland and Vietnam; Potential Business Opportunities for the Finnish Food Safety Industry in Vietnam: A Case Study on Pork
37. 2015, Chu, N., AU, Online Marketing in Asia-Pacific Developing Countries: Case Studies about Google AdWords for Small Companies with Limited Marketing Budget in Vietnam
38. 2015, Korhonen, T., AU, Investigating Factors that Impact the Business Potential of Emerging Nanotechnology Solutions
39. 2015, Pentti, H., AU, Working in Dubai as a Finnish Expatriate: A Study of the Differences in Business Customs between Finland and Dubai
40. 2015, Trang, N., AU, Vietnamese Business Culture
41. 2018, Niiranen, P., AU, Corporate Environmental Responsibility as a Competitive Strategy of Multinational Companies in Sub-Saharan Africa: A Focus on Oil Industry
42. 2018, Nuorva, S.-M., AU, The effectiveness of European Union Emission Trading Scheme in incentivizing innovation and adoption of environmentally friendly technologies.: a qualitative study on energy intensive industries in Europe
43. 2018, Pirinen, K., AU, Recycling of waste electronic and electrical equipment: reducing the impact of China on the rare earth element markets
44. 2018, Poikola, A., AU, The relationship between Environmental, Social and Governance performance and Corporate Financial Performance - an empirical study of the European energy industry

Remarks:

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

UKU: University of Kuopio

HSE: Helsinki School of Economics

HU: Helsinki University

UEF: University of Eastern Finland

LUT: Lappeenranta-Lahti University of Technology

UO: University of Oulu

HUT: Helsinki University of Technology

JyU: University of Jyväskylä

AU: Aalto University

International Study and Research Visits

1. 1991, June-July, Research Associate, Universidade do Federal do Rio Grande do Sul, Brazil
2. 1993, Nov, Visiting Scientist, Uppsala University, Sweden
3. 1999, Sept-Oct, Visiting Scientist, Institute de Recherches sur la Catalyse, CNRS, Lyon, France
4. 2001, May, Visiting Scientist, Luleå University of Technology, Sweden
5. 2001, March-April, Visiting Scientist, Several universities and research institutes, India
6. 2002, September, Visiting Scientist, Several universities and research institutes, Mexico and Belize
7. 2002, May, Visiting Scientist, Sichuan Province, China
8. 2002, January, Visiting Scientist, Karnataka State University, India
9. 2003, Nov-Dec, Visiting Scientist, Several universities and research institutes, Kenya and Tanzania
10. 2003, March-April, Visiting Scientist, Gansu and Qinghai Province, China
11. 2004, January, Visiting Researcher, National University of Cordoba, Argentina
12. 2004, September, Visiting researcher, Purbanchal University, Nepal
13. 2005, April, Visiting Scientist, Tribhuvan University, Kathmandu University, Nepal
14. 2005, April, Visiting Scientist, Royal University of Bhutan, Bhutan
15. 2005, September, Visiting Scientist, Tibet University, China
16. 2006, April-May, Visiting Scientist, Tibet University, Tibetan autonomous region, China
17. 2007, Aug-Sept, Visiting Scientist, Tibet University, Yunnan, Sichuan, Tibetan autonomous region, China
18. 2008, Sept-Oct, Visiting Scientist, Tibet University, Tibetan autonomous region, China
19. 2009, May-June, Visiting Scientist, Tibet University, Qinghai Province, China
20. 2009, August, Visiting Scientist, Tibet University, Sichuan, Tibetan autonomous region, China
21. 2009, October, Visiting Scientist, University of Capetown, South Africa
22. 2010, January, Visiting Scientist, Purbanchal University, Nepal
23. 2010, November, Study Course, Stanford University, USA
24. 2011, October, Study Course, Harvard University, USA
25. 2012, Aug-Sep, Visiting Scientist, Chinese Academy of Sciences, Yunnan, Sichuan, TAR, Qinghai, China
26. 2012, November, Visiting Scientist, VUT, South Africa
27. 2013, January, Visiting Scientist, Kathmandu University, Nepal
28. 2013, Feb-Mar, Visiting Scientist, Florida International University, USA
29. 2013, May, Visiting Scientist, Chinese Academy of Sciences, TAR, China
30. 2013-2014, Aug-March, Visiting Professor, Asian Institute of Technology, Thailand
31. 2014, May, Visiting Scientist, Chinese Academy of Sciences, TAR, China
32. 2015, February, Visiting Scientist, KhonKaen University, Thailand
33. 2015, May, Visiting Scientist, Chinese Academy of Sciences, TAR, China
34. 2015-2017, Aug – Sep (24 months), Visiting Professor, Florida International University, USA
35. 2019, January, Visiting Scientist, University of Mauritius, Mauritius
36. 2019, February, Visiting Scientist, KhonKaen University, Thailand
37. 2019, November, Visiting Scientist, University of Adelaide and Edith Cowan University, Australia

Language Proficiency

Finnish (mother tongue), Spanish (Moderate), English (Fluent), Swedish, German and Portuguese (Passive)

Tibetan: Good (Classical), Basic (Modern)

Record of major services and contributions to the Science/Society

1. 1995, Member, New York Academy of Sciences, USA, Member
2. 1995, Member, Finnish Chemical Society, Finland, Member

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

3. 1995, Member, Finnish Society of Environmental Sciences, Finland, Member
4. 1997, Member, American Association for the Advancement of Science, USA, Member
5. 1998, Participant, Vivenda Europaea – Environmental European Forum of Young Researchers, France, Selected participant representing Finland
6. 2000, Member of the Board, Finnish Society of Environmental Sciences, Finland, Leadership and management
7. 2001, Chairman, World Water Congress of International Water Association, United Kingdom, Resources for Physical Chemical Treatment
8. 2001-2003, Member, University of Oulu, Finland, Steering Group of the Department of Process and Environmental Engineering
9. 2002-2003, Member, University of Oulu, Finland, The Council of the Faculty of Technology
10. 2003, Member, Finnish Society of Environmental Sciences, Finland, Panel Committee to evaluate the best doctoral thesis in Environmental Sciences
11. 2003-2004, Member, Graduate School of Environmental Science and Technology, Finland, Steering Group
12. 2004, Member, Mikkeli City, Finland, Committee of Higher Education
13. 2004-present, Member, Mikkeli University Consortium, Finland, Management Board
14. 2004-2005, Member, ENTRE, Finland, Steering Group
15. 2005, Member, Finnish Society of Environmental Sciences, Finland, Panel Committee to evaluate the best doctoral thesis in Environmental Sciences
16. 2005, Member, South Savo, Finland, Regional strategy in research and education
17. 2005, Vice President, Finnish Society of Environmental Sciences, Finland, Leadership and management
18. 2005, Member, Mikkeli University Consortium, Finland, Working Group of Research Coordinator
19. 2005, Delegation Member, China, Finland, Eastern Finland's delegation trip led by the province's governor Pirjo Alakapee-Hakulinen
20. 2005-2006, Member, South Savo Commercial Chamber, Finland, Innovation Working Group
21. 2006, Chairman, Mikkeli University Consortium, Finland, Management Board
22. 2006-2007, President, Finnish Society of Environmental Sciences, Finland, Leadership and Management
23. 2007, Vice Chairman, Mikkeli University Consortium, Finland, Management Board
24. 2007, Finland's Representative, Worldwide, Finland, Scientific Committee on the Problems of the Environment (SCOPE)
25. 2007, Member, Finland, Finland, Organizing Committee of 16th International Conference on Ion Mobility Spectrometry
26. 2007, Finland's Representative, Worldwide, Finland, International Geosphere-Biosphere Program (IGBP)
27. 2007, Chairman, 8th Finnish Conference on Environmental Sciences, Finland, Chairman of Local Organizing Committee and Chairman of Scientific Committee
28. 2008, Member, University of Kuopio, Finland, Organizing Committee of the Ion mobility spectrometry Workshop
29. 2008, Chairman, St. Petersburg State University, Russia, Session on Environmental Technology of the Finland-Russia Cross border Conference
30. 2008, Delegation Member, Mumbai, Delhi, India, Business delegation led by Prime Minister Matti Vanhanen and Minister of Environment Kimmo Tiilikainen of the Government of Finland to India
31. 2009, Member, Mikkeli University Consortium, Finland, Scientific committee of the Mikkeli Science Day
32. 2009, Member, University of Kuopio, Finland, Organizing Committee of the Ion Mobility Spectrometry Workshop
33. 2009, Delegation Member, Kiev, Ukraine, Business delegation led by President of Finland Tarja Halonen and Minister of International Trade and Commerce Paavo Väyrynen to Ukraine
34. 2009, Delegation Member, Lima, Paracas, Peru, Business delegation led by Minister of Environment Paula Lehtomäki to Latin America
35. 2011, Member, Finnish Society of Environmental Sciences, Finland, Panel Committee to evaluate the best doctoral thesis in Environmental Sciences
36. 2011, Principal Scientific Reviewer, United Nations Environment Programme, Global, Biannual GEO-5 report
37. 2012-, Panel Member, Katerva, Global, Materials and Resources
38. 2012, Delegation Member, Finpro, Algeria, Trade Promotion Visit with Minister for European Affairs and Foreign Trade Alexander Stubb and the Business Delegation
39. 2013, Member, Buenos Aires, Argentina, Scientific committee of 5th International Congress on arsenic in the environment – As2014
40. 2013, Member of Thesis Advisory Committee, University of Helsinki, Finland, Jernberg, J., Ph.D. thesis, Novel Analytical Methods for the Identification of Emerging Contaminants in Aquatic Environments
41. 2015, Member of the Advisory Committee, Himalayan Environment Research Institute (HERI), Nepal, Member

Curriculum Vitae

Prof. Mika E.T. Sillanpää, Dr. Tech.

42. 2015, Member of the Advisory Committee of the International Conference on Current Trends in Chemical Sciences and its applications, KCG College of Technology, India, Member
43. 2015, Member of the International Scientific Committee, 6th International Congress on Arsenic in the Environment, Sweden, Member
44. 2016, Reviewer, International Workshop on Chemistry, Istanbul, 28-29th May, Turkey, Reviewer
45. 2016, Member of Technical Program Committee, KhonKaen University International Engineering Conference, Thailand, Member
46. 2016, Member of Technical Program Committee, KhonKaen University International Engineering Conference, Thailand, Member
47. 2016, Member of the International Organizing Committee and the Scientific Committee, 6th International Congress on Arsenic in the Environment, Sweden, Member
48. 2016, Member of the Steering Group, International Conference on Smart Cities in Smart Regions, Finland, Member
49. 2016, Reviewer, International Workshop on Chemistry, Turkey, Reviewer
50. 2016, Member of Organizing Committee, 1st International Seminar "New Methods of Screening Diagnosis of Cancer and Few Other Diseases on the Base of Exhaled Air Analysis", Finland, Member
51. 2016, Member of Organizing Committee, International Conference on Smart Cities in Smart Regions, Lahti, May 10, Finland, Member
52. 2016, Reviewer, 6th International Congress on Arsenic in the Environment Arsenic Research and Global Sustainability, Stockholm, 19-23 June, Sweden, Reviewer
53. 2017, Member of International Advisory Committee, Energy Environment and Advanced Materials for a Sustainable Future, Perundurai, May 23-24, India, Member
54. 2017, Co-Chair of the International Mine Water Association Conference, International Mine Water Association Conference, Lappeenranta, June 25-30, Finland, Co-Chair
55. 2018, Member of the International Organizing Committee, Conference on Catalysis and Chemical Engineering, Paris, February 19-21, France, Member
56. 2018, Member of Organizing Committee, World Congress on Green Chemistry and Green Engineering, Melbourne, July 16-18, Australia, Member
57. 2018, Member of the Scientific Committee, EREM2018 XVI. International Symposium on Electrokinetic Remediation, Canakkale, August 6-8, 2018, Turkey, Member
58. 2018, Member of the Committee, World Congress on Functional Materials and Nanotechnology, Bangkok, October 18-20, Thailand, Member
59. 2018, Member of the Preliminary Jury, Skolar Award 2018, Finland, Member
60. 2018, Member of International Advisory Committee for the International Conference on "Chemistry, Industry and Environment", India
61. 2019, Member of the International Scientific Committee for the 3rd International Conference on Energy, Environment and Climate Change (ICEECC), Mauritius
62. 2019, Reviewer of the International Mine Water Association IMWA2019 conference, Russia
63. 2019, Member of Scientific Committee, 8th International Conference WATER FOR ALL, Croatia
64. 2019 – present, Member of the advisory board of Hanell International
65. 2019, Finnish Lakeland Forum, Invited Lecture
66. 2019, Headquarters Symposium, Keynote Lecture
67. 2020 – present, Member of the International Advisory Board, ITMO University, St. Petersburg, Russia
68. 2021, Member of the International Program Committee, Waste 2021, St. Petersburg, Russia
69. 2021 – present, European Science Foundation, College of Expert Reviewers, Member
70. 2021, Member of the International Advisory Committee, Gudlavalleru, Andhra Pradesh, India
71. 2021 – present, Member of the FWO Review College, Belgium

Referees

Available upon request