

CV - Roger Holten

PERSONAL DETAILS

Date of birth 31.01.1975
Gender Male
Citizenship Norway
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Mobile telephone +47 915 92 762
Current profession Researcher
Period of notice 3
National service duration 12

EDUCATION / ACADEMIC QUALIFICATIONS

2015-08 - 2019-05 Norwegian University of Life Sciences - Degree: Ph.D. Plant Sciences Faculty / Department: Faculty of Biosciences

2017-01 - 2017-05 Norwegian University of Life Sciences - Degree: Master STAT340 Applied Methods in Statistics Faculty / Department: Faculty of Chemistry, Biotechnology and Food Science Credits: 10 Grade: B

2016-09 - 2016-09 Aarhus University - Degree: Ph.D. Merging Measurements and Modeling in Soil Physics Faculty / Department: Department of Agroecology Credits: 5 Grade: Passed

2016-06 - 2016-06 Uppsala University - Degree: Ph.D. Uncertainty in environmental modelling Faculty / Department: Department of Earth Sciences Credits: 5 Grade: Passed

2015-09 - 2015-12 Norwegian University of Life Sciences - Degree: Master GEO300 Advanced Hydrogeology Faculty / Department: Faculty of Environmental Sciences and Natural Resource Management Credits: 10 Grade: B

2015-09 - 2015-12 Norwegian University of Life Sciences - Degree: Ph.D. PHI401 Research Ethics and Philosophy of Science I Faculty / Department: School of Economics and Business Credits: 5 Grade: Bestått

2014-08 - 2014-12 Norwegian University of Life Sciences (NMBU) - Degree: Bachelor JORD221 Soil Physics, Practical Exercises Credits: 5 Grade: Passed

2008-01 - 2008-05 Norwegian University of Life Sciences (NMBU) - Degree: Bachelor JORD201 Process Modelling in Soil, Water and Plant Systems Credits: 10 Grade: Passed

2004-04 - 2004-04 SETAC - Degree: Other Short course. Higher tier aquatic risk assessment of pesticides and biocides

2003-01 - 2003-06 University of Oslo - Degree: Master BIO342 Regulatory Toxicology Credits: 6 Grade: Passed with Laud

2002-08 - 2002-12 Norwegian University of Life Sciences (NMBU) - Degree: Other JF100 Basic Soil Science Credits: 6 Grade: 2.4

2002-07 - 2002-07 University of Surrey - Degree: Other Ecotoxicology

2000-11 - 2000-11 University College of Telemark - Degree: Other Biotechnology
Two week Intensive course without grading.

1995-08 - 2000-08 Agricultural University of Norway (now NMBU) - Degree: Master Cand. scient/ Master of Science, Biological Sciences, Biotechnology Faculty / Department: Institute of Chemistry and Biotechnology Credits: 300 Grade: 2.31

1995-01 - 1995-05 University of Tromsø - Degree: Other Examen Philosophicum Credits: 15 Grade: 2.3

WORK EXPERIENCE

2019-01 - Norwegian Institute of Bioeconomy Research, NIBIO Job: Scientific researcher (PhD)

2001-04 - 2015-08 Norwegian Agricultural Inspection Service/Norwegian Food Safety Authority Job: Senior Scientific Officer/Ecotoxicologist

2001-02 - 2001-04 Agricultural University of Norway Job: Scientific Assistant, Institute of Chemistry and Biotechnology

2000-08 - 2000-12 University College of Telemark Job: Assistant professor

1997-05 - 2000-08 Agricultural University of Norway Job: Study Administration Department
Summer job May to August in the years 1997, 1998, 1999 and 2000.

TEACHING / MENTOR QUALIFICATIONS

2016-05 - 2017-05 NMBU/NIBIO Subject: Pesticides
Assisting supervising of Master Student

2015-02 - 2015-02 University of Oslo Subject: Regulatory Toxicology
Teaching in the environmental part of the course.

2002-01 - 2004-01 Norwegian Agricultural Inspection Service Subject: Plant Protection Products/Pesticides
Co-Author of the environmental part of the Authorisation Course for Handling and Using Plant Protection Products.

2000-08 - 2000-12 University College of Telemark Subject: 192 Human physiology, toxicology and epidemiology (12 ECTS) + 197 Occupational Medicine and Hygiene (15 ECTS)
Responsible for both courses and teaching in major parts, including laboratory exercises.

ICT EXPERIENCE

MACRO 5.5.3 Knowledge level: Good
Have also basic knowledge of other environmental exposure models (e.g. PRZM, PEARL, WISPE)

Office (Power Point,
Word, Excel)

Knowledge level: Good

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Knowledge level: Basic

SigmaPlot

Knowledge level: Basic

PROJECT / RESEARCH EXPERIENCE

- 2020-01 - 2021-04 Project: Evaluation of Norwegian surface water scenarios Scope / workload: Evaluate the model WISPE and existing Norwegian surface water scenarios and the possible implementation in SWASH or similar accepted modelling tool. Funding source: Landbruksdirektoratet - Handlingsplanen for bærekraftig bruk av plantevernmidler
The project is due in March 2021.
- 2020-01 - 2021-04 Project: The effect of vegetated buffer strips on runoff of pesticides Funding source: Landbruksdirektoratet - Handlingsplanen for bærekraftig bruk av plantevernmidler
- 2019-01 - 2021-04 Project: Risk tables for pesticide leaching Scope / workload: Risk tables to help farmers to choose pesticides with low risk of leaching Funding source: Landbruksdirektoratet - Handlingsplanen for bærekraftig bruk av plantevernmidler
The project is due in March 2021.
- 2020-01 - 2021-01 Project: Evaluating the Swedish monitoring program for pesticides in surface water Funding source: Naturvårdsverket, Sverige
The project is due in January 2021.
- 2019-01 - 2020-12 Project: ChiNor solutions for Low Impact climate smart vegetable production with reduced pesticide residues in food, soil and water resources Scope / workload: Part of WP2 in this project: Pesticide exposure assessment tools Funding source: Research Council of Norway
The project is due in 2021
- 2018-01 - 2020-06 Project: Design of vegetated filter strips to reduce pesticide runoff Scope / workload: Testing the model VFSMOD against Norwegian field data and using it to design vegetated filter strips to reduce pesticide runoff to surface water. Funding source: Landbruksdirektoratet - Handlingsplanen for bærekraftig bruk av plantevernmidler
- 2010-01 - 2014-12 Project: Persistence of pesticides under Norwegian conditions Funding source: Norwegian Action plan on reducing risk connected to the use of pesticides
Participated in the research group as representative of the Authorities.
- 2007-01 - 2013-12 Project: Norwegian Scenarios, development of WISPE for surface and groundwater modelling of pesticides in major crops Funding source: Action plan on reducing risk connected to the use of pesticides
Participated in the research group as representative of the Authorities.
- 2010-01 - 2012-12 Project: Greenhouses with production of potted plants - plant protection products in run off, waste and ground water Funding source: Action plan on reducing risk connected to the use of pesticides
Participated in the research group as representative of the Authorities.
- 2007-01 - 2010-12 Project: Sulfonyl ureas - an environmental risk? Funding source: Action plan on reducing risk connected to the use of pesticides
Participated in the research group as representative of the Authorities.
- 2008-01 - 2009-12 Project: Run off of plant protection products from greenhouses Funding source: Action plan on reducing risk connected to the use of pesticides
Participated in the research group as representative of the Authorities.
- 2007-01 - 2008-12 Project: Norwegian Scenarios II Funding source: Action plan on reducing risk connected to the use of pesticides
Participated in the research group as representative of the Authorities.
- 2005-01 - 2006-12 Project: Norwegian Scenarios II Funding source: Action plan on reducing risk connected to the use of pesticides
Participated in the research group as representative of the Authorities.

PUBLICATIONS / SCIENTIFIC PRODUCTIONS

- 2019-08 Type: Journal article Title: A dual permeability approach for modelling soil water flow and heat transport during freezing and thawing Publishing: Vadose Zone Journal, vol. 18 no. 1 2019. DOI: 10.2136/vzj2019.01.0012 Degree: Other Co-author(s): Mats Larsbo, Marianne Stenrød, Ole Martin Eklo and Nicholas Jarvis
- 2019-05 Type: PhD thesis Title: The effect of freezing and thawing on water flow and pesticide leaching in partially frozen soil - Soil column experiments and model development Publishing: Norwegian University of Life Sciences, thesis number 2019/20 Degree: Ph.D.
ISSN: 1894-6402, ISBN: 978-82-575-1584-3
- 2019-03 Type: Journal article Title: Leaching of Five Pesticides of Contrasting Mobility through Frozen and Unfrozen Soil Publishing: Vadose Zone Journal, vol. 18 no. 1, doi:10.2136/vzj2018.11.0201 Degree: Other Co-author(s): Mats Larsbo, Nicholas Jarvis, Marianne Stenrød, Marit Almvik and Ole Martin Eklo
- 2018-11 Type: Journal article Title: The effect of freezing and thawing on water flow and MCPA leaching in partially frozen soil. Publishing: Journal of Contaminant Hydrology, 219, 72-85. DOI: 10.1016/j.jconhyd.2018.11.003 Degree: Other Co-author(s): BØE, F. N., ALMVIK, M., KATUWAL, S., STENRØD, M., LARSBO, M., JARVIS, N. & EKLO, O. M.
- 2017-09 Type: Poster Title: Freezing and thawing of soils results in increased leaching of the herbicide MCPA Publishing: 7th International Conference on Pesticide Behaviour in Soils, Water and Air, 30 August - 1 September 2017. York Degree: Other Co-author(s): Frederik Norheim Bøe, Marit Almvik, Marianne Stenrød, Mats Larsbo, Nicholas Jarvis, Ole Martin Eklo
- 2017-05 Type: Poster Title: The effect of freezing and thawing on the transport of pesticides in soil Publishing: SETAC Europe 27th Annual Meeting: 7-11 May 2017 Degree: Other Co-author(s): Frederik Norheim Bøe, Marit Almvik, Marianne Stenrød, Mats Larsbo, Nich Jarvis, Ole Martin Eklo
- 2016-06 Type: Journal article Title: Pesticide regulatory risk assessment, monitoring, and fate studies in the northern zone: recommendations from a Nordic-Baltic workshop Publishing: Environmental Science and Pollution Research Degree: Other Co-author(s): M. Stenrød, M. Almvik, O. M. Eklo, A. L. Gimsing, K. Künnis-Beres, M. Larsbo, L. Putelis, K. Siimes, I. Turka, J. Uusi-Kämpä
- 2015-05 Type: Conference Paper Title: How representative are the Northern groundwater scenarios of the actual conditions in the Northern zone? Publishing: SETAC Europe 25th Annual Meeting, 3-7 May 2015, Barcelona, Spain Degree: Other Co-author(s): AL Gimsing, M Burns, S Reichenberger, J Pires, H Tripault, R Holten, PJ Mulder, J

Asp, P Ahrlin, D Kavaliauskaite, K Kruskops, K Kant, L Matsoff

- 2014-01 Type: Bioforsk Report Title: Degradation of fungicides under Norwegian conditions Degree: Other Co-author(s): Almvik, M., Bolli, R., Christiansen, A., Eklo, O., Holten, R., Senneset, G. & Waernhus, K
- 2013-12 Type: Bioforsk Report Title: National scenarios - Norway. development of WISPE for surface- and groundwater modelling of pesticides in major crops Degree: Other
- 2013-09 Type: Poster Title: Slow degradation of fungicides in soils from cold temperate climate Publishing: Pesticide Behaviour in Soils, Water and Air, York, UK, 2.9.2013 Degree: Other Co-author(s): Almvik, M., Bolli, R., Christiansen, A., Eklo, O. & Holten, R.
- 2011-12 Type: Bioforsk Report Title: Multi-year transport studies of sulfonylurea herbicides from a barley field in Norway, 2007-2010 Degree: Other Co-author(s): Almvik, M., Riise, G., Bolli, R., Børresen, T., Christiansen, A., Odenmarck, S. & Holten, R.
- 2009-12 Type: Bioforsk Report Title: Norwegian Scenarios II. Final report from the period 2007-2008 Degree: Other Co-author(s): Eklo, O., Almvik, M., Bolli, R., Børresen, T., Haraldsen, T., Haugen, L., Holten, R. & Riise, G.
- 2008-12 Type: Bioforsk Report Title: Norske scenarier II. Sluttrapport for prosjektperioden 2005-2006. Degree: Other Co-author(s): Eklo, O., Almvik, M., Bolli, R., Haraldsen, T., Haugen, L., Holten, R., Lundekvam, H., Riise, G., Stenrød, M. & Tveit, C.
- 2003-12 Type: Textbook chapter Title: The handling and use of plant protection products Publishing: Landbruksforlaget Degree: Other Co-author(s): Hofsvang, T., Sjursen, H., Fjærbu, I., Kraggerud, A., Persson, K., Mehl, A., Elkjær, K., Heiberg, A., Stokke, R., Holten, R., Eklo, O., Bjugstad, Co-author of textbook in the course Handling and Using Plant Protection Products.

LANGUAGES

- English* Verbal skills: Flytende Written skills: Flytende
- Norwegian - bokmål* Verbal skills: Morsmål Written skills: Morsmål
- Norwegian - nynorsk* Verbal skills: Morsmål Written skills: Morsmål
- German* Verbal skills: Grunnleggende kunnskaper Written skills: Grunnleggende kunnskaper