

CURRICULUM VITAE

Lisbeth Cecilia Olsson

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Education: University studies (chemistry, physics) 1983-84
M. Sc. in Chemical Engineering, University of Lund, Sweden 1987
University studies (pharmacology, working environment) 1987, 1990
Licentiate of Engineering, University of Lund, Sweden 1990
Ph.D. of Engineering, University of Lund, Sweden 1994
Docent, University of Lund 1998

Employments: Bioanalytical Division, AB Draco, Lund, Sweden 1987-88
Pure and Applied Biochemistry, University of Lund, Sweden 1988-90
Applied Microbiology, University of Lund, Sweden 1990-94
Department of Biotechnology/BioCentrum-DTU
post doc 1994-96
assistant professor 1996-98
associate professor (staff member) 1998-2006
(maternity leave, 6 months) 2001
director of studies 2005-06
professor 2006-08
Dept Chemical and Biochemical Engineering, Chalmers
professor 2008-
Taurus Energy AB, technical advisor 2008-

Leadership and management experience:

During my employment at DTU I was part of the management of Biocentrum-DTU (2005-2006) as part of my assignment as head of studies, I was part of the build up and management of CMB a research center with 70 employees. Presently at Chalmers, I have since 2008 built up and head a research group in Industrial Biotechnology with 25 employees. I am sitting in the board of the research centers, Linneaus center SUPRA and Wallenberg Wood Science Center, I head the collaborative projects bioacrylates (Vinnova) and HGBiofuels (Nordic funding), act as WP leader in NEMO. I am active in the management committee of the Area of Advances in Life Science Engineering and Energy

Main research activities:

Focused on quantitative physiology and metabolic engineering, including the following subjects:

- Fermentation physiology and metabolic engineering
- Bioethanol production – enzyme production, enzymatic hydrolysis and fermentation
- Enzyme discovery and production
- Industrial biotechnology
- Bioanalytical methods and on-line analysis of fermentation processes.

Publications & presentations: 133 publications in international journals with peer review, 20 conference proceedings, book chapters and other publications. h-index: 31
 More than 100 posters presented at international conferences, More than 40 presentations as invited speaker at international conferences and oral presentations at seminars at international universities

Teaching experience:

Biochemistry, basic course for chemical engineers	1989, 1990
Food microbiology, advanced course for engineers	1990
Technical Microbiology, advanced course for engineers*	1992
Industrial Microbiology, advanced course for chemical engineers*	1993
Introductory Chemistry Project, 3911/21103	1996, 1997
Experimental Food and Fermentation Technology, 3012/30212*	1996 -1998
Metabolic balances and energetics in protein and metabolite production, NorFA course	1997
Applied Microbiology and Fermentation Technology, 3001/30001*	1997-2000
Introductory Chemistry Project, 21102	1998 -2000
Experimental Fermentation Technology, 30210*	1999 -2000
PhD course in metabolic engineering	2000, 2002-2006
General Biotechnology and Life Science, 30000/27000*	2000 -2002
Fermentation technology, further education for technicians and engineers*	2001, 2002
Microbiology and Fermentation Technology, 27031/27961*	2002 -2007
PhD course in enzyme technology, lignocellulose, non-starch polysaccharides*	2004, 2006
Life Science 27002/27932	2008
PhD course on Process Analytical Technology*	2006
PhD course on Biotechnology for bioethanol production	2007, 2009
PhD course on Biotechnology for bioethanol production	2009*, 2011
Industrial Biotechnology, KCT090	2008-2012
Molecular Biotechnology, KMB056	2009-

*responsible for course coordination and/or development of the course

Project supervision of students: Approximately 100 different projects including final projects for DTU-students, pre-projects for DTU-students, bachelor projects for DTU students, MSc-projects for non-DTU students, BSc-projects for non-DTU students and individual projects/traineeships

Supervision of PhD-students:

Main supervisor DTU:
Kasper Møller, 2001
Christophe Roca, 2002
Henning Jørgensen, 2003
Rasmus Devantier, 2005
Martin Haack, 2005
Natalija Andersen, 2007
Kristian Krogh, 2008
Renata Usaite, 2008
Astrid Mørkeberg, 2009
Maya Petrova Doneva, 2009

Main supervisor Chalmers:
Ali Kazemi Seresht, 2012
Gupta Udatha, 2013
Magnus Ask, on-going
Rakesh Koppram, on-going
Christian Thörn, on-going
Hampus Sunner, on-going
Peter Adeboye, on-going
Ausra Peculyte, on-going

Assistant supervisor (DTU):
Christopher Klein, 1998
Simon Østergaard, 2000
Helene Klinke, 2001
Frede Lei, 2001
Margarida dos Santos, 2003
Steen Lund Westergaard, 2005
Vijayendran Raghevendran, 2005
Susan Meijer, 2008
Peter Ödman, 2009
Linda Lehmann, 2011

Assistant supervisor (Chalmers)
José Manuel Otero, 2009
Jie Zhang, 2011
Agnes Stephan, on-going
Hanna Gustafsson, in-going
Lina Lindberg, on-going

National and international committee activities:

EFB Microbial Physiology Section and EFB Working Group on Measurement and Control IEA Task 39
ERA.Industrial Biotechnology, EU
Biotechnology contact committee (IDA, 2004-2005)
Danish Biotechnology Society, founding board member (IDA, 2006)
Network leader, biological production, LMC (2006-2007)

Editorial tasks:

Biofuels, Bioproducts & Biorefining, Consultant Editor, Advances in Biochemical Engineering/Biotechnology, volume editor for volume 108, Biofuels
Biotechnology for Biofuels, Associate editor

Referee:

Grant applications: United States Department of Agriculture, Australian Research Council Research Committee, Fonds voor Wetenschappelijk Onderzoek –Vlaanderen, Belgium, Austrian Science Fund (FWF), VINNOVA and Vetenskapsrådet, Sweden
PhD-thesis evaluator: Evaluated 33 PhD thesis, primarily in the Nordic countries