

Curriculum Vitae of Jes la Cour Jansen

Born: November 6, 1947

Citizenship: Danish

Affiliation

Professor Emeritus, Water and Environmental Engineering, Department of Chemical Engineering Lund University, SE-221 00 Lund, Sweden

Education

M.Sc. (1979) in Environmental Engineering, Technical University of Denmark.

PhD (1983) in Environmental Engineering, Technical University of Denmark “Removal of soluble substrates in fixed films”, (Supervisor professor Poul Harremoës)

Employments

Academia

- | | |
|-------------|---|
| 2017 - | Professor Emeritus Water and Environmental Engineering, Lund University |
| 1998 - 2017 | Professor, Water and Environmental Engineering, Lund University, Sweden |
| 1987 - 1991 | Part time associate professor (Wastewater Treatment), Aalborg University, Denmark |
| 1982 - 1986 | Part time associate professor (Environmental Science), Technical University of Denmark, Denmark |

Industry

- | | |
|------------------------------|---|
| 1995- | Own consulting company |
| 1994-1995 | Head of Research Department
I/S Avedøre Wastewater Treatment Plant, Denmark |
| 1986-1994 | Head of Department, Department of Wastewater and Process Technology and
Head of Department, Data Processing Department. Water Quality Institute,
Denmark, now DHI |
| 1974 - 1977
and 1982-1986 | Research Engineer, Krüger A/S and Akvadan A/S Denmark |

Project management experiences

Director of the cluster Advanced Wastewater Treatment. 2009-2014. More than 10 industrial partners and water utilities participate in a large triple helix cluster. Annual turnover more than 25 mill SEK. WP Leader Mistra program MistraPharma 2008-2011. WP Leader Interreg IIIA project Source Partnership 2006 – 2008. Project leader at numerous Danish, Swedish and international projects financed by a great number of different funding bodies.

Research experience and interests

- Development of methods for removal of refractory substances from wastewater, sludge and leachate.
- Integration of new process technology at wastewater treatment plants
- Impact of inhibiting substances at wastewater treatment plants

- Advanced nitrogen and phosphorous removal from wastewater
- Optimisation of anaerobic digestion including co-digestion of sludge with other biomasses such as organic household waste.
- Sludge management strategies

Awards and special commissions

Water and Environment Award (Vand og Miljø prisen) 1989

Kemira Award 1993

The Swedish Water & Wastewater Association, Water – Award (Vatten-priset) 2012

BIOFOS Resource Award 2018

Member of the Swedish National Committee for Water (2001-2007)

Member of the expert panel of FORMAS (2005-2008)

Member of the program committee for Sustainable Energy and Environment, The Danish Strategic Research Council (2006-2009)

Teaching and supervision

I have developed courses within water and wastewater treatment and environmental engineering at The Technical University of Denmark, Aalborg University Centre, Lund University and Öresunds University. I have been responsible teacher for many of the courses many times. I have supervised and examined more than 100 master students at The Technical University of Denmark and more than 150 at Lund University.

Main supervisor for the following finalised PhD: Karin Jönsson 2001, Måns Lund 2002, Eva Tykesson 2005, Michael Ljunggren (Now Cimbritz) 2006, Åsa Svärd (Now Davidsson) 2007, Marinette Hagman 2008. David Gustavsson 2012, Per Falås 2012, Anna Bernstad 2012, Gerly Hey 2013. Assistant supervisor for: Anna Norström 2005, Karin Larsdotter 2006, Tobias Hey 2016, Hamse Kjerstadius, Janne Väänänen 2017, Fredrik Stenström 2017. At present co-supervisor for 1 PhD student.

Other relevant experience

Faculty opponent at Ph.D. defences: more than 15 times (Sweden, Norway, Denmark, Malaysia, India and Australia). Evaluation committees for PhD theses: more than 10 times (Sweden, Denmark)

Evaluation of academic appointments: 18 times (Technical University of Denmark, 2000, and 2008 (professor); Royal Institute of Technology, Stockholm, 2004 and 2009 (Professor); University of Southern Denmark, 2007 (Professor); Malmö Högskolan 2001 (Associate professor); Chalmers 2001, 2003 and 2005 (research assistant); Technical University of Denmark 2006 and 2009 (Associate professor); Technical University of Cyprus, 2007 and 2009 (Associate professor). Lulå University of Technology (Assistant professor) 2010. Swedish University of Agricultural Sciences, SLU, (Associate professor) 2012, Mälardalens University (Associate professor) 2012, Mälardalens University Senior Lecturer 2 times 2012.

Publications: I have published more than 100 publications in peer-reviewed journals (printed), and more than 50 conference contributions. ISI h – factor currently is 37.

I am co-editor of one book (until now third English and Danish edition, first Russian, Chinese and Polish edition).