

CURRICULUM VITAE, Professor Anders S. Carlsson

SHORT RESEARCH BIOGRAPHY

I am Professor of Plant Breeding with a specialization in biotechnology and have more than 35 years of experience in plant science research, teaching, and academic leadership. My research has had a long-term and coherent focus on plant lipids, ranging from the role of membrane lipids in stress physiology to the genetic regulation of oil accumulation, carbon allocation, but later also on areas such as, genomic plant breeding research on cereals and oil crops as well as biotechnological approach for weed control. My work integrates fundamental biochemistry, molecular genetics, and biotechnology with applied plant breeding, genomics, and field-based research, with a strong emphasis on sustainable food and bio-industrial production. In parallel, I have been deeply engaged in supervision, teaching, international collaboration, and academic leadership, including long-term institutional management at SLU.

MANAGEMENT EXPERIENCE

I have more than 15 years of experience in academic leadership at the Department of Plant Breeding, including three years as deputy head and twelve years as head of department (2013–2025). During the last year as head of department, I was responsible for more than 80 staff members and doctoral students organized into three divisions. During my tenure, the department expanded from 48 to 81 full-time equivalents, scientific output more than doubled to over 110 publications per year, and turnover increased from approximately SEK 67 million to more than SEK 130 million. During the same period, 59 doctoral students successfully defended their theses, and 13 staff members were appointed associate professors. My leadership has been characterized by long-term strategic development, recruitment, research quality enhancement, mentorship, and the creation of an inclusive and internationally competitive research environment.

EDUCATION AND ACADEMIC QUALIFICATIONS

1. **B.Sc.** Biology, Göteborg University 1986
2. **Ph.D.** Plant Physiology, Göteborg University 1995
3. **Docent (Associate Professor)** (in Genetics and Plant Breeding). 2006
4. **Professor** (in Plant Breeding with emphasis towards biotechnology) 2013
5. **CURRENT POSITION** (Dep. of Plant Breeding, SLU Alnarp.)
Professor 2013 -
6. **PREVIOUS POSITION** (Dep. of Plant Breeding, SLU Alnarp.)
Head of Department 75% / research 25%.
Professor
Researcher, Research 70 % /, Teaching 10%, Deputy Head of Dep. 20%,
Researcher, Research 88 % /, Teaching 12% 2013-2025-06, 2013-
7. **Post-doctoral research associate**, Institute of Biological Chemistry, Washington State University, Washington, USA. Professor John Browse.
Research Associate 100 %, Dep. of Plant Physiology, Göteborg Univ. 2010 - 2013, 2000 - 2010, 1996 – 2000,
8. **INTERRUPTION IN RESEARCH**
Parental Leave 50%, (10 months, 2009-09-2010-06, and 11 months, 2007-08-2008-07)
9. **SUPERVISION**
Has supervised more than 15 Phd/ Lic students as main or deputy supervisor or postdocs.
PhD-students - Main Supervisor
Rolando Contreras Useglio 2023 -
Muluken Birara Enyew (Lic.), Institute of Biotechnology, Addis Ababa 2019 -
Jonatan Leo 2016 -
Simon Jeppson 2015 - 2018

Svetlana Leonova	2006 – 2013
Phuong Thuy Doan, (Vietnam)	2004 – 2011
Pham Duc Toan (Vietnam)	2004 – 2011

PhD/Lic.-students - Deputy Supervisor

Ibrahim Juma	2016 – 2020
Simon Jeppson	2019 - 2020
Per Snell	2015 - 2019
Bartosz Glab, Faculty of Biotechnology of University of Gdansk	2013 - 2018
Larisa Gustavsson, SLU-Balsgård, Sweden	2005 - 2008
Beatrice Angio Were, Moi University, Kenya	2001 – 2005

Post-Doc Students- In Alnarp

Paulina Calderon Flores	2024 -
Jagadeesh Sundaramoorthy	2020-2022
Beatrice Angyio Were, Eldoret University, Kenya	2012 - 2013
Pooja Joshi, TERI Institute, New Delhi, India	2007-2008
Bangquan Huang, Hubei University, Wuhan, China	2003-2004

10. PEDAGOGIC EXPERIENCE.

Includes subjects such as: Molecular Biology and Genetics, Genetic Engineering, Genomics, and Bioinformatics, Gene Regulation, Mutation, and DNA Repair, Cell Structure and Metabolism, Plant Metabolism and Physiology, Biotechnology and GMO Applications, Plant Breeding and Food Production

Courses (Lectures):

Applied Plant Biotechnology	2007 - 2012
Advanced Plant breeding and Genetic resources	2007 - 2014
Genetics, Molecular Biology, and Plant breeding	2003 -2007
Genetics, Molecular Biology, and Plant breeding	2007 -2012
Plant Biochemistry (Course developer and course leader 2007 -2012)	2007 - 2025
Plant Production (for Agricultural engineers)	2015 -
The functionality of plants for climate mitigation in a social planning perspective	2023 -
Cultivation and use of Horticultural products	2005 - 2013

11. EXAMINATIONS

Member of the board of examiners for more than 8 Ph. D. thesis.

12. REFEREE WORK

BMC Plant Biology, Canadian Journal of Plant Science, Journal of Experimental Botany, Euphytica, Frontiers in Plant Science, Journal of Experimental Botany, Molecular Biotechnology, Plant and Cell Physiology, Plant Physiology and Biochemistry, Plant Physiology, Plant Science, Trends in Plant Science, among others.

13. INTERNATIONAL RESEARCH COLLABORATION

My network of international research collaborators over the years includes researchers from more than 40 universities or institutes in mainly Europe, North America, and Africa

14. PUBLICATION (SUMMARY)

In total the publication list includes over 91 publications and of them more than 70 are peer-reviewed research and review articles, with over 6600 citations and H-index of 41 (google scholar 2026-02). [Anders S Carlsson - Google Scholar](#)

For an extended CV see: [Anders Carlsson | slu.se](#)