

Curriculum Vitae

Professor Gunnar Öquist



Secretary General

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Born in Piteå lfs (Sweden) in 1941.

Education

- Filosofie ämbetsexamen (B.Sc.; chemistry, botany, zoology), University of Uppsala, 1967
- Efterprovning i filosofie ämbetsexamen (M.Sc.; botany), University of Umeå, 1968
- Filosofie licentiatexamen (botany), University of Umeå, 1971
- Filosofie doktorsexamen (PhD; botany), University of Umeå, 1972
- Appointed docent in plant physiology, University of Umeå, 1974

Positions held

- 1:e amanuens, Department of Plant Physiology, University of Uppsala, 1965-07--1966-06-30
- Assistent, Department of Plant Physiology, University of Umeå, 1967-07-01--1976-01-01
- Docent (Associate Professor) in Plant Physiology, University of Lund, 1974-09--1974-12-23 and 1974-12-30--1975-01-19
- Docent (Associate Professor) in Plant Physiology, University of Umeå, 1976-01-01--1981-07-01
- Professor in Plant Physiology, University of Umeå, 1981-07-01—2003-06-30 (presently on leave)
- Secretary General of the Swedish Natural Science Research Council (NFR), 1993-07-01—1999-12-31
- Secretary General of the Royal Swedish Academy of Sciences, 2003-07-01--present

Visiting Scientist

- Department of Botany and Plant Pathology, Oregon, USA, 1975-09-01--1976-02-29
- Carnegie Institution of Washington, Department of Plant Biology, Stanford, California; the whole year of 1980
- Department of Plant Industry, CSIRO, Canberra, Australia, 1990-09-04--1991-02-01
- Department of Plant Sciences, University of Western Ontario, Canada, 1991-03-04--1991-07-25
- Department of Plant Sciences, University of Western Ontario, Canada, 2000-9-01--2000-12-20

Administrative records

- Prefekt (Chairman) of the Department of Plant Physiology, University of Umeå, 1977-07-01--1993-06-30
- Deputy member of the Faculty Board of Science, University of Umeå, 1977-07-01--1980-06-30
- Member of the Faculty Board of Science, University of Umeå, 1984-07-01--1990-06-30
- Prodekanus (Vice Dean) of the Faculty of Science, University of Umeå, 1984-07-01--1990-06-30
- Member of the Biology Committee of the Swedish Natural Science Research Council, 1983-07-01-- 1992-06-30
- Member of the Swedish Natural Science Research Council, 1986-07-01--1992-06-30
- Member of the Energy Committee of the Swedish Natural Science Research Council, 1986-07-01--1992-06-30; Chairman, 1989-01-01-- 1992-06-30
- Member of the Swedish Research Council for Engineering Sciences, 1991-01-01-- 1993-06-30
- Member of the Board of the University of Umeå, 1991-07-01-- 1994-06-30
- Member of "Forskningsberedningen" (Advisory group to Government), 1992-03-01-- 1994-10-07
- Swedish representative of the Steering Committy for Biotechnology, EUs Programme for Research, 1993 –1994
- Member of the Board of the Swedish Polar Research Secretariat, 1996-07-01 -- 1999-12-31
- Member of the Delegation for Interdisciplinary Science, University of Umeå, 1997 --2001
- Member of the Board of the Foundation for Strategic Research, 1997-01-01--1999-12-31
- Member of the Swedish EC-R&D Council, 1995-01-01 -- 1999-12-31
- Member of the Board and Excecutive Council of the European Science Foundation (ESF), Strasbourg, 1996-01-01—2000-12-31.
- Member and vice chair of the Steering Board of Wallenberg Konsortium North for Functional Genomics, since 2000; Chair since August 2001.
- Swedish board member of Nordisk Forskarutdanningsakademi (NorFA), 2000-01-01—present; Chair during 2002.
- Member of the European Research Advisory Board (EURAB), 2001 – present.
- Member of the Bord of Bergen University, Norway, 2003-01-01--present

Supervisor for the following doctoral theses

- Jan-Erik Hällgren, disp 1978
- Björn Martin, " 1978
- Göran Samuelsson, " 1981
- Erik Sundbom, " 1981
- Laila Brunes, " 1981
- Erling Ögren, " 1985
- Anders Lönneborg, " 1986
- Martin Strand, " 1987
- Lars-Göran Sundblad, " 1988
- Stefan Falk, " 1991
- Christina Ottander, " 1995
- Gouqing Zhou, " 1996 (together with Professor Petter Gustafsson)

Supervisor for the following post doctoral fellows

- Mary Lewandowska, UK, 1978, 1979
- Robert Hodgins, Canada, 1986, 1987
- Adrian Clarke, Australia, 1991, 1992
- Vaughan Hurry, Australia, 1991, 1992
- Douglas Campbell, Canada, 1993, 1994, 1995
- Joanna Porankievic, Poland, 1996
- Youn-il Park, South Korea, 1996 - 1998

Igor Rojdestvenski, Russian Federation, 1997 - 1999 (with Per Gardeström)
Ilian Simidjiev, Bulgaria, 1998 - 1999
Dmitry Svesnikov, Russia, 2000 - 2004
Luke Henricson, 2004 - present

Visiting scientists

Prof. Norman I. Bishop, USA, 3 months 1978
Dr. Jerry Leverenz, USA, 1 year 1984/85
Dr. Robert Smillie, Australia, 2 months 1985
Dr. Suzan Hetherington, Australia, 2 months 1985
Dr. Richard Sicher, USA, 2 weeks 1987
Prof. Norman P.A. Huner, Canada, 3 months 1988
Prof. Zbigniew Krupa, Poland, 3 months 1989, 3 months 1990
Dr. Dennis Greer, New Zealand, 2 months 1990
Prof. Evan DeLucia, USA, 1 month 1990
Dr Alla Krivocheeva, Russia, 3 months 1991, 3 months 1993
Dr. Tao Dali, China, 8 months 1992/93
Dr. Y.H. Jin, China, 2 months 1993
Dr. Alexander Ivanov, 4 months 1998
Professor Douglas Campbell, 1 month 1998
Dr. Alexander Ivanov, 3 months 1999
Dr. P.V Sane, 3 months 1999, 6 months 2000
Dr. Alexander Ivanov, 4 months, 2000-09-24
Professor Youn-Il Park, 1 month, 2000
Dr. Alexander Ivanov, 3 months, 2001
Dr. P.V Sane, 1 month, 2001
Dr. Mariana Krol, 1 month, 2001
Dr. Alexander Ivanov, 3 months , 2002
Professor Jan Anderson, 3 months 2002
Dr. Alexander Ivanov, 3 months 2003 and 2004

Served as member of editorial review boards for the following international journals

Physiologia Plantarum
Plant, Cell and Environment
Photosynthesis Research
Plant Physiology and Biochemistry
Planta
Tree physiology

Membership of academies

The Royal Swedish Academy of Science, 1986
Kungl. Skytteanska Samfundet, 1991 (President 1998--2003)
Kungl. Fysiografiska Sällskapet, 1995
The Royal Society of Canada, 1998
The Australian Academy of Sciences, 2004
Academia Europaea, 2004

Awards

Kung. Fysiografiska Sällskapetets Linnémedalj i guld, 1998
The Meritorious Medal of Umeå University in gould, 2003

Membership of learned societies

Corresponding member of the Australian Society of Plant Physiology
Scandinavian Society of Plant Physiology

American Society of Plant Physiologists

Other activities

Organizer of the 7th Congress of the Federation of European Societies of Plant Physiology, August 5-10, 1990.

Regularly invited speaker to international congresses, symposia and workshops.

Reviewer for professor appointments

Plant Physiology, University of Göteborg, 1983

Botany, University of Turku, 1984

Plant Biochemistry, University of Lund, 1988

Reviewer for the appointment of "universitetslektorat"

Biology (Plant Physiology), University of Lund, 1983

Reviewer for "docentkompetens"

FD Carl-Magnus Larsson, University of Stockholm, 1983

FD James McDonald, The Agricultural University of Sweden, 1989

FD Janet F. Bornman, University of Lund, 1990

FD Cecilia Sundby-Emanuelsson, University of Lund, 1993

Reviewer for the appointment of "forskarassistent"

Plant Physiology, University of Uppsala, 1989

Scientific adviser

United Nation Environmental Programme: Primary productivity and photosynthesis in natural ecosystems of the tropics in relation to environmental variables, 1983 to 1990.

Review of research programmes, organisations and institutions

-Secretary of an international review of plant physiology in Sweden organised by the Swedish Natural Science Research Council in 1986

-Chairman of an international review of the Research School of Biological Sciences within the Institute of Advanced Studies at the Australian National university (ANU), 1995

-Chairman of the European Science Foundation (ESF) review of the Nuclear Physics European Collaboration Committee (NUPEC), 1996

-Chairman of an ESF review of the future need of synchrotron radiation for the life sciences in Europe, 1998

-Member of monitoring panel of the EU programme Training and Mobility of Researchers, 1997, 1998

-Member of the monitoring panel of the EU programme Human Potential, 1999

-Chair for the 1999 Membership Committee of the European Science Foundation

-Chair of international review of Norwegian Biology (Panel 1: Botany, Zoology, Ecology, Marine Sciences), 2000-01--2000-06-01, and chair of integrated review of all biology in Norway, October- November, 2000

-Chair of an European Science Foundation Study Group for Protein Structure and Function, 2000

-Chair for the Latsis prize committee year 2000 (European prize)

-Chair of a strategic evaluation of the Department of Physics at Stockholm university, March-April 2001

-Member of the Academy Group for the evaluation of MISTRA 2001

-Member of reference group for the evaluation of Norwegian PhD program

-Chair of the Scientific Committee for the selection of Centers of Excellence in Norway (2001/2002)

- Chair of the 2002 evaluation of Swedish National Facilities
- Reviewer of Alfvénlaboratoriet at KTH, 2002
- Appointed member of the review team for the evaluation of the Danish National Research Foundation, 2003.

Teaching

- As a professor, undergraduate and graduate teaching in plant physiology and photosynthesis at the department, 2 to 3 weeks per year up to 1993-06-30.
- Nordisk forskarkurs, Methods in photosynthesis research, University of Umeå, 1984-05-17-- 1984-05-31 (organizer and teacher)
- Nordisk forskarkurs, Methods in photosynthesis research, University of Umeå, 1986-06-02-- 1986-06-13 (organizer and teacher)
- Nordisk forskarkurs, Ecophysiology, Abisko, 1992-08-05-- 1992-08-19 (teacher)
- Nordisk forskarkurs, Molecular response to environmental stress in photosynthetic organisms, University of Umeå, 1995-06-12-- 1995-06-21 (teacher)
- UNEP Training Course, Techniques in bioproductivity and photosynthesis, Harare, 1989-01-04-- 1989-01-25 (teacher)
- Graduate course "Science and the Society", lectures and seminars, Umeå Plant Science Center, April 2001
- Graduate course "Scientific Writing: A practical course", November-December 2003

Publications

Ca. 150 publications in international journals. Impact: classified as an ISI Highly Cited Researcher (<http://isihighlycited.com/>)