



Dr. Karin Markides

Education

1984 PhD Analytical Chemistry, University of Stockholm, Sweden

1975 M.S. Chemistry, University of Stockholm, Sweden

1973 B.S. Mathematics, Geology, Geography, University of Stockholm, Sweden

About

Dr. Karin Markides earned her doctorate degree from University of Stockholm in Sweden and specializes in analytical chemistry.

As a researcher, she has filed and registered numerous patents, including "Novel Liquid Crystalline Compounds and Polymers," "Chiral Polysiloxane Compounds and Polymers," and "Encapsulated Nanoparticles for Drug Delivery," published 289 peer-reviewed papers, and delivered over 500 presentations to academia and general public.

After serving as President and CEO of Chalmers University of Technology in Sweden as well as American University of Armenia, she was elected for President and CEO of Okinawa Institute of Science and Technology in February 2023 to assume the post on June 1, 2023.

Dr. Markides is appointed Professor Emeriti of Analytical Chemistry at Uppsala University as well as Elected Member of the Royal Swedish Academy of Engineering Sciences (IVA) and the Royal Swedish Academy of Sciences (KVA), where she has been involved in the selection of the Nobel Prize in Chemistry and the promotion of science for society, schools, and academia.

She is also a mentor and board member of Einride, a start-up company founded by an alumni of Chalmers University of Technology, and has led industry by serving on executive boards and scientific advisory boards for various companies.

As Deputy Director General of "VINNOVA," the State Agency for Innovation Systems in Sweden (2004-2006), and Chairman of the Board of Johannesburg Science Park (2014-2016),

Dr. Markides has also been fostering a culture of open knowledge and innovation ecosystems and contributed to the development of an ecosystem of collaboration between industry, academia and government.

Dr. Markides has also been deeply involved in policy development, serving as Development Leader and Chairman of The Swedish Scientific Council for Sustainable Development (2015-2019) and President of CESAER (Conference of European Schools for Advanced Engineering Education and Research) (2009-2011).

Experience

June 1, 2023- President and CEO, Okinawa Institute of Science and Technology
February 2023-May 31, 2023 President-Elect and CEO-Elect, Okinawa Institute of Science and Technology
2021-Present Chairman, Danish Technical University, DTU
2019-2022 President and CEO, American University of Armenia
2015-2017 Senior Advisor to the President, Chalmers University of Technology
2006-2015 President and Chief Executive Officer, Chalmers University of Technology
1996-2002 Dean of Chemistry and Chemical Engineering, Uppsala University, Faculty of Science and Technology, Sweden
1975-1979 Laboratory Director, University of Stockholm, Chemistry Department, Sweden
1989-1990 Associate Research Professor, Brigham Young University, Chemistry Department, USA
1985-1989 Assistant Research Professor, Brigham Young University, Chemistry Department, USA
1984-1985 Post-Doctoral Fellow, Brigham Young University, Chemistry Department, USA
2003-2004 Visiting Professor, Stanford University, Chemistry Department, USA
1989-2004 Chair Professor of Analytical Chemistry, Uppsala University, Faculty of Science and Technology, Sweden

Awards

2017 Chalmers Medal in silver, Sweden
2015 Gothenburg City Badge of Merit, Sweden
2010 Oscar Carlson Quinquennial Medal in silver, Sweden
2008 H.M. King of Sweden 12th size gold medal on Seraphim Order ribbon
2007 Royal Swedish Academy of Eng. Science Gold Jeton
2004 International Scientist of the Year, Pittsburgh, USA
2001 SFC Outstanding Scientist, USA
1997 Senior Individual Grant, SSF
1992 Jubilee Medal in Chemistry, Great Britain
1990 Norblad-Ekstrand Medal, Sweden

Service

2007-2009 Member representing Nordic Chemical Industries and Academia, Enterprise EU, Brussels
2006-2015 Board Member, Technical Research Institute of Sweden AB, SP
2013-2017 Board Member, Swedish Industries Research Council

2010-2022 Board Member, Perstorp Holding AB
 2018-Present Board Member, Einride AB
 2017-Present Chairman, Molecular Frontiers
 2016-2022 Board Member, The Swedish Knowledge Foundation
 2015-2019 Chairman of the Board, The Scientific Advisory Board for Research Infrastructures ESS/Max IV
 2015-2019 Developmental Leader and Chairman, The Swedish Scientific Council for Sustainable Development
 2014-2016 Chairman of the Board, Johanneberg Science Park AB, Göteborg, Sweden
 2011-2015 President, Unitech International
 2010-Present Mentor and Board member, Molecular Frontiers
 2010-2011 Acting Chairman, Universeum Science Centre, Göteborg, Sweden
 2009-2012 Board Member, Johanneberg Science Park AB, Göteborg, Sweden
 2009-2011 President, CESAER (Conference of European Schools for Advanced Engineering Education and Research)
 2008-2015 Foundation Board Member, Universeum Science Centre, Göteborg, Sweden
 2008-2013 Board Member, Chalmers Innovation Foundation, Business Incubator
 2007-2009 Member, The Swedish Government Globalization Council
 2006-2012 and 2014 Board Member, Lindholmen Science Park AB, Göteborg, Sweden
 2005-2007 Vice President, Royal Swedish Academy of Engineering Sciences, IVA
 2004-2006 Board Member, Swedish Research Council VR, Committee for Research Infrastructure, KFI
 2004-2006 Deputy Director General, VINNOVA, State Agency for Innovation Systems, Sweden
 2000-2006 Board Member, International Mass Spectrometry Society (IMSS)
 2000-2005 Board Member, Swedish Foundation for Strategic Research, SSF
 1999-Life Elected Member, Royal Swedish Academy of Sciences, KVA
 1998-2006 Chairman of the Swedish Mass Spectrometry Society, IMSS, International Mass Spectrometry Society
 1992-Life Elected Member, Royal Swedish Academy of Engineering Sciences, IVA

Scientific Advisory Board Member

2000 – 2002 Tao (SME-biomedical company), Oakland, CA, USA
 2002 – 2003 Biospect (academic startup), San Francisco, CA, USA
 1996 – 1998 MDS Sciex (large scientific instrument company), Toronto, Canada
 1992 – 1995 Sensar Corporation (academic startup), Orem, UT, USA

University Leadership

Okinawa Institute of Science and Technology

President-Elect and CEO-Elect, February 2023 – May 31st 2023

President and CEO, June 1st 2023 -

Okinawa Institute of Technology, OIST, is a pioneering graduate university where research and education bridges disciplines with cutting-edge research and transformative technology for a sustainable future. The education supports the next generation of knowledge-based leaders and the OIST innovation hub catalyzes self-sustained prosperity in Okinawa. My interest and experience in academic, private, and public collaboration and development, in support of academic leadership, and in advancing the role of universities in society, will be central to my role leading OIST in its second decade.

American University of Armenia

President, 2019 – 2022

The American University of Armenia (AUA) is an affiliated university to the University of California System with accreditation from Western Association of Schools and Colleges. I established the structure, working procedures, strategic process, and incentives to transform this higher education institution to become a university of the 21st century. This strategy is engaging and proactive in guiding academic support for education, research, and outreach as well as internal and external collaboration with the aim to reach the mission of AUA. The working procedures support transformative co-creation in the region and enable tangible prosperity in Armenia as well as in the world. My deep-rooted understanding of systems thinking and my commitment to the driving forces for academic excellence, integration, transformation, and universality helped me prepare AUA to fulfil its role as a modern university.

Chalmers University of Technology

President and Chief Executive Officer, 2006 – 2015

Senior Advisor to the President, 2015 – 2017

Through trust-building methodology, I was leading the growth and transformation of Chalmers into a 21st century university. Traditionally isolated disciplines were strengthened and integrated using dynamic virtual environments, information technology and advanced infrastructure. Education, research, innovation and collaboration were enhanced by incentives supporting excellence, innovative teaching, transdisciplinary research, novel fundraising tools and an effective yearly planning process. Students, researchers, staff, collaborators and alumni were devised with working procedures and tools to enhance inclusion, leadership, growth, transformation and impact. The resulting enhanced funding to Chalmers where I, as President, played a central role, included: *Chalmers Ventures*, leader in academic innovation and entrepreneurship, *Graphene Flagship*, 1 billion Euro (Chalmers coordinate partners in 24 countries); *Multi cross-cut cooperation* with 10+ industries, 100 m SEK per year; *AstaZero* transport safety research Infrastructure, 500 m SEK + 100 m SEK per year; *Mistra Urban Futures* transdisciplinary global center, 500 m SEK; *HSB Living lab* reality-based infrastructure, 70 m SEK; and a 40% increase in public *basic funding*. In addition, a yearly addition of several *new buildings* could be funded with highest environmental standard for research, education, innovation, student housing and social activities.

Uppsala University, Faculty of Science and Technology, Sweden

Dean of Chemistry and Chemical Engineering, 1996 – 2002

Chair Professor of Analytical Chemistry, 1989 – 2004 (see Own Academic Career below)

Professor Emeriti of Chemistry, 2018-present

I directed education, student life, research excellence and community outreach in chemistry at the largest public university in Sweden. I represented the voices of chemistry and chemical engineering faculty, students and staff within the university organization; led the relocation, construction and growth of facilities and academic operations, renewed an integrated undergraduate curriculum; enhanced collaboration across disciplines; broadened the role of leading-edge chemistry research in medicine, mathematics, physics and pharmacology; and established an innovation office with experienced coaches that soon became a university-wide office.

Danish Technical University, DTU

Chairman, 2021 – present

DTU is an innovative university with a commitment to sustainable development. DTU has deep engagement in research, education, innovation, and scientific advice. The collaboration across disciplines is strong and innovation hubs with private-public partnership is developing at a fast speed. With a strong commitment to innovative thinking and credibility, DTU aim to develop Europe's best engineering education, promote technologies for sustainable change, and realizing the potential of digitalization.

Leading Academic Development

The Swedish Scientific Council for Sustainable Development

Developmental Leader and Chairman, 2015 – 2019

I was establishing and leading the first Scientific Advisory Council for the government of Sweden. With twelve leading scientists of diverse faculties, a scientific base and a systemic view is provided of complex challenges facing Sweden and the world. The knowledge is presented in ways that builds understanding, trust and an

action framework for responsible politicians and government officials. The goal is to develop a respected academic sounding board for integrated social, economic and ecologic decision making, based on integration, transformation and universality, for growth in the 21st century.

University of Stockholm

Developmental Leader, 2018 – 2019

Assigned by the President of the university of Stockholm to restructure the organization and strategic process (based on the sections of Chemistry and Geosciences) integrating excellence and relevance to meet the challenges of the 21st century where circular system thinking become more of a driver in our society.

CESAER (Conference of European Schools for Advanced Engineering Education and Research)

President 2009 – 2011, active past president 2012 – 2013

I had a leading role representing and coordinating the top 50 universities (with strong technology faculty) in Europe to become the main European point of reference guiding the framework program Horizon 2020 for scientific excellence and ethics in engineering education and research. This included novel policies aiming to promote innovation through academic led cooperation with industry and society for supporting long-term sustainable societal development and economic growth.

Alliance for Global Sustainability

Chairman, 2007 and 2010

Coaching team-leader, 2006 – 2014

Based on a donation, the goal was to enhance leading universities contribution towards sustainable development. I led the main node for this collaboration between Chalmers, MIT, University of Tokyo and ETH, and their associated partners in academia, industry and society. The network enabled transformational development through a yearly large conference of shared progress and challenges, where leaders from all stakeholder groups inspired and informed each other on trends and possibilities.

Nordic5Tech

Board Member (circulating chair), 2007 – 2015

I was an initiator and later one of the leaders developing this alliance to support diversity and mobility by collaboration around educational tracks. The network connected leading Nordic universities of technology, i.e., Chalmers, KTH, Trondheim, Aalto and DTU.

IDEA League, Association of leading universities

Board Member, 2013 – 2015

The positive development at Chalmers resulted in an invitation to Chalmers to join the focused network designed to strengthen leading European Universities of Science and Technology (Imperial college, university of Delft, ETH, and university of Aachen). My contribution, with Chalmers researchers, became instrumental in developing novel collaborative instruments and processes enhancing excellence and impact especially in research collaboration.

University governance coaching

- Strategic alone evaluator of governing profile areas of Luleå University, 2016
- Strategic team evaluator with reconstruction of Chemistry at Umeå University, 2006
- Strategic alone evaluator of new profile at Malmö University, 2017

Academic Impact on Society

Royal Swedish Academy of Sciences, KVA

Elected Member, 1999 – life

Class for Chemistry – selects the Nobel Prize in Chemistry Fosters science for society, schools and scientific community.

Royal Swedish Academy of Engineering Sciences, IVA

Elected Member, 1992 - life

Class of Chemical Engineering

Vice President for IVA, 2005 – 2007

Fosters science-technology-industry-society interaction for dissemination, development and impact.

Molecular Frontiers

Mentor and Board member, 2010 – present

Chairman, 2017 – present

Foster development of a network for systemic improvement of scientific knowledge in the next generation through direct and indirect inspiration by Nobel Prize laureates and other leading scientists. Molecular Frontiers include a digital platform attracting young children and a most attractive yearly conferences for high-school students (arranged at leading universities in Singapore, USA, Korea, Japan and Sweden) with special support from the Royal Swedish Academy of Science, Massachusetts Institute of Technology, European Science Foundation and Chalmers. During 2018, a number of universities in the USA, Asia and Europe are developing partnership with Molecular Frontiers.

The Swedish Knowledge Foundation

Board Member, 2016 – 2022

I provide input to enhance the ability of a major research grantor to strengthen the ability of younger public universities and colleges, to attract and retain excellence, create value and show impact.

Swedish Foundation for Strategic Research, SSF

Board Member 2000 – 2005

Chairman for the call on Materials for Energy 2017

Chairman of the program Future Scientific Research Leaders 2017 – 2021

I have been active in different capacities to give input and active participation on improved incentives for diversity, inclusion, leadership, generic skills and system thinking in their research funding portfolio.

Universeum Science Centre, Göteborg, Sweden

Foundation Board Member, 2008 – 2015 Acting Chairman, 2010 – 2011

I provided guidance for both goal and strategic process, and how to integrate output and activities at the Science Centre with research and education at Chalmers. As Chairman, I helped the organization through a time of internal crisis of cultural clash.

Evaluator of Institutions and Research Proposals

- Leading the international evaluation committee of the Finnish Government Initiative for Research Excellence, 2016
- International evaluator of RIKEN research institute, Japan, 2009
- International strategic coaching of Luleå University of Technology, 2000 – 2004
- International strategic evaluator of SFI, Ireland, 2004 – 2005
- Frequent evaluator for NFR, VR, STINT, Norway NFR, Finland NFR, USA NSF, USA DOE, VINNOVA, and EU framework programs

Academic Teaching, PhD supervising and Leadership training

The 6th Scientific Leadership Programme of the Foundation of Strategic Research

Designer and leader, 2017 – 2021

I led and developed the leadership training of a group of 20 selected young scientists that won grants as Future Research Leaders in Sweden. The training include developmental leadership for excellence, transformation and scaling with local and international impact.

Unitech International

President 2011 – 2015

Honorary Alumnus 2015 – present

I led the development of this leadership program, where students are trained to become systemic leaders for disruptive and sustainable development needed in society. The master's program involves twenty corporate partners, eight academic partners and over one thousand alumni who continuously expand a network of professional agile leaders for the 21st century. This program attracts leadership talent from underrepresented student populations.

Teaching Chemistry and Chemical Engineering

Teaching courses on all levels of higher education 1978 – 2004

Supervisor

Supervisor for research laboratory with over 20 PhD and postdoc, Brigham Young University, 1986 – 1989

Supervisor for 35 graduate PhD students, Uppsala University, 1989 – 2005

Mentor

Mentor in the program SSF Future Research Leaders, FFL-2, 2005 – 2010

Mentor in the program Wallenberg Academy Fellows, 2012 – 2016

Academic Research Infrastructure and Innovation System

Experience

The Scientific Advisory Board for Research Infrastructures ESS/Max IV

Chairman of the Board, 2015 – 2019

I led the development and implementation of a strategy for Sweden how to act as a host of a world-leading twin research infrastructure, that will become the most advanced neutron beam for science and the brightest source of x-ray world-wide. The focus is on fostering an integrated knowledge environment for academia, business and society.

VINNOVA, State Agency for Innovation Systems, Sweden

Deputy Director General, 2004 – 2006

I developed an open knowledge and innovation eco-system culture and defined the role of academia in this dynamic meeting place.

Johanneberg Science Park AB, Göteborg, Sweden

Board Member, 2009 – 2012

Chairman of the Board, 2014 – 2016

I actively implemented the role of academia in this novel type of Science Park as a campus-based non-profit meeting place, co-owned by public-private-academia partnerships. It included fostering of transformative and challenge-driven development and digitalization in the built environment, materials and energy area.

Lindholmen Science Park AB, Göteborg, Sweden

Board Member, 2006 – 2012, 2014

Participated and mentored the development of a campus-based non-profit meeting place with focus on IT, visualization and transportation.

Chalmers Innovation Foundation, Business Incubator

Board Member, 2008 – 2013

I was instrumental in modernizing the role and organization of this incubator, and making it a core in a new consolidated innovation ecosystem company *Venture Creation* at Chalmers

Swedish Research Council VR, Committee for Research Infrastructure, KFI

Board Member, 2004 – 2006

Chairman of the Board for Earth and Its Environment, 2005 – 2006

I provided strong influence for a modernized view on research infrastructures as meeting places for transformative development, open to all disciplines and actors secured by a university governance network.

The Swedish Government Globalization Council

Member, 2007 – 2009

I provided input from the academic perspective in this high-level council consisting of leaders from all parts of society.

Scientific Advisor Uppsala University Innovation Office

Scientific leader and advisor, 1998 – 2005

I enabled the first grant to start and build this on-campus innovation office and activities.

IMSS, International Mass Spectrometry Society

Board Member 2000 – 2006

Chairman of the Swedish Mass Spectrometry Society, 1998 – 2006

My contribution was to modernize the organization, and make it cross-disciplinary driven by excellence in basic science and technology inspired by transdisciplinary challenges. I also connected it to the international society.

Professional Board Experience

Einride AB

Board Member, 2018 – present

I act as an experienced mentor and director in this knowledge intense start-up company, founded by Chalmers student alumni, for disruptive road transport solution, based on T-pod with self-driving electric propulsion.

Perstorp Holding AB

Board Member, 2010 – 2022

My role is non-executive leadership of Perstorp, a world leader in several sectors of the specialty chemicals market for a wide variety of industries and applications. I have focus on facilitating understanding of barriers to implement knowledge transfer between academia and business, and developed strategies and goals to enable sustainable knowledge transfer for future development and competitiveness.

Swedish Industries Research Council

Board Member, 2013 – 2017

I served as an academic expert to industrial leaders regarding the value of education and research in industry at all levels, and how to effectively incorporate these in industrial development. This included resolving difficulties encountered in communication between university and businesses, and ensure mutual benefit.

Technical Research Institute of Sweden AB, SP

Board Member, 2006 – 2015

I provided a perspective of innovation ecosystem rather than linear innovation process, and was instrumental in the co-creation of the full-scale research and test-arena in transport safety, Asta Zero, between Chalmers and SP.

High Level Group: Competitiveness of Chemical Industry, DG

Enterprise EU, Brussels

Member representing Nordic Chemical Industries and Academia, 2007 – 2009

As the only representative from academia, I provided input that came to be central for the outcome on turning the branch from deep crisis to become the enabling industry for circular economy and sustainable business.

Scientific Advisory Board Member

- - Sensar Corporation (academic startup), Orem, UT, USA, 1992 – 1995
- - MDS Sciex (large scientific instrument company), Toronto, Canada, 1996 – 1998
- - Biospect (academic startup), San Francisco, CA, USA, 2002 – 2003
- - Tao (SME-biomedical company), Oakland, CA, USA, 2000 – 2002

Honors, Awards and Distinctions

Chalmers Medal in silver, Sweden 2017 Gothenburg City Badge of Merit, Sweden 2015 Oscar Carlson Quinquennial Medal in silver, Sweden 2010 H.M. King of Sweden 12th size gold medal on Seraphim Order ribbon 2008 Royal Swedish Academy of Eng. Science Gold Jeton 2007 International Scientist of the Year, Pittsburgh, USA 2004 SFC outstanding Scientist, USA 2001 Senior Individual Grant, SSF 1997 Jubilee Medal in Chemistry, Great Britain 1992 Norblad-Ekstrand Medal, Sweden 1990

Own Academic Career

Uppsala University, Department of Analytical Chemistry, Sweden

Chair Professor of Analytical Chemistry, 1989 – 2004

I led the Department of Analytical Chemistry at the largest public university in Sweden, and developed a thriving and leading education and research environment for both basic and applied science.

Stanford University, Chemistry Department, USA

Visiting Professor, 2003 – 2004

Together with Professor Dick Zare and the Wallenberg foundation, we developed international researcher-to-researcher and student-to-student cooperative relationships between the two universities.

Brigham Young University, Chemistry Department, USA

Post-Doctoral Fellow, June 1984 – 1985

Assistant Research Professor, 1985 – 1989

Associate Research Professor, 1989 – 1990

I directed the day-to-day research activities of approximately 20 graduate students, postdoctoral researchers and guest scientists, while conducting my own research projects. These activities involved creativity, organization, and skills in interpersonal relations, business collaboration and cross-disciplinary research.

University of Stockholm, Chemistry Department, Sweden

Laboratory Director, 1975-1979

I directed operations and prepared reports for a university-based pesticide control laboratory for fruits imported into Sweden while pursuing my higher education in chemistry.

Education and Credentials

Uppsala University, Sweden

Chair Professor (appointed for life) of Analytical Chemistry Science and Engineering, 1989

Brigham Young University, USA

Tenure Research Professor in Chemistry, 1989

University of Stockholm, Sweden

Docent in Analytical Chemistry, 1986

PhD Analytical Chemistry, 1984 with the title "Organosiloxanes Containing Cyano Groups for Capillary Chromatography", ISBN 91-7146-297

M.S. Chemistry, 1975

B.S. Mathematics, Geology, Geography, 1973

Major Own Research Grants

1989 – 2004, Grants and funding with me as sole PI (numerous collaborative grants in applied sciences are not listed here)

National Science Foundation of Sweden

Basic science grant, awarded continuously in three year cycles 1989-2005 a 3 m SEK per year Research equipment grant, 5 m SEK

K&W Wallenberg Foundation

Research equipment, 100 m SEK

Innovation ecosystem at Uppsala University, 5 m SEK Collaboration with Stanford university, 2 m SEK

Swedish Strategic Foundation

Senior Individual Grant, 25 m SEK

European Union

Marie Curie Research Laboratory, 10 m SEK

1998-2004, External Funding from Industry

Sciex, Hewlett Packard, Astra Zeneca, Sandoz, Hoffmann LaRoche, Pharmacia, General Electric, supporting equipment, operational cost, graduate students, postdocs

Patents

1. "Novel Liquid Crystalline Compounds and Polymers," J.S. Bradshaw, M.L. Lee, K.E. Markides, and B.A. Jones. US Patent Number 4,864,033. Filed: November 27, 1985. Issued: February 1989.
2. "Multi-Element Selective Radio Frequency Plasma Detector for Capillary Gas Chromatography, F. Yang, P. Farnsworth, R. Skelton, K.E. Markides, and M.L. Lee. U.S. Patent Application Serial No. 24,095. Filed: March 12, 1987. Issued: January 25, 1989.
3. "Oligoethylene Oxide Substituted Siloxane Compounds and Polymers," J.S. Bradshaw, M.L. Lee, K.E. Markides, Filed: December, 1987.
4. "Chiral Polysiloxane Compounds and Polymers," J.S. Bradshaw, M.L. Lee, K.E. Markides, Filed: January, 1988. Issued: June 1990.
5. "Chromatographic Arylcarboxamide Polysiloxanes," J.S. Bradshaw, M.L. Lee, K.E. Markides, Filed: June, 1988. Issued: March 1990.
6. "Novel Chiral Copolymers with Oligosiloxane Spacers," J.S. Bradshaw, B.E. Rossiter, B.J. Tarbet, D.F. Johnson, M.L. Lee, K.E. Markides, File No. 9393 CIP. Filed: March 1992.

7. "Encapsulated Nanoparticles for Drug Delivery", G. Jacobson, R.N. Zare, K.E. Markides, R.R. Shinde and C.H. Contag, File No. 11/748,408, Filed: May 14, 2007.

Publications and Presentations

Published peer-reviewed articles: 289

Scientific and public presentations: over 500

1. L. Blomberg, K. Markides and T. Wännman, "Modification of Glass Capillary Columns by Cyclic (3,3,3-trifluoropropyl) methylsiloxanes," HRC&CC, 527, (1980).
2. L. Blomberg, J. Buijten, K. Markides and T. Wännman, "Peroxide-Initiated In Situ Curing of some Silicone Gums for Capillary Columns," HRC&CC, 4, 578 (1981).
3. L. Blomberg, K. Markides and T. Wännman, "Glass Capillary Columns for Gas Chromatography Coated with Non-Extractable Films of Cyanosilicone Rubbers," J. Chromatography, 203, 217-226 (1981).
4. L. Blomberg, K. Markides and T. Wännman in R.E. Kaiser (editor) "Cyclic Siloxanes for Chemical Modification of Glass Capillaries for Gas Chromatography." Pro-ceedings of the Fourth International Symposium on Capillary Chromatography, Hindelang IV, Huthig, Heidelberg, 1981, p. 73-89.
5. L. Blomberg, J. Buijten, K. Markides and T. Wännman, "Evaluation of Bonded Methylsilicone Rubber as a Stationary Phase for Glass Capillary Columns," J. Chromatogr., 208, 231-238 (1981).
6. L. Blomberg, J. Buijten, K. Markides and T. Wännman, "Peroxide-Initiated in Situ Curing of Silicone Gums for Capillary Column Gas Chromatography," J. Chromatogr., 239, 51 (1982).
7. J. Buijten, L. Blomberg, K. Markides and T. Wännman, "Preparation of Capillary Columns Coated with Phenylsilicone Gum," J. Chromatogr., 237, 465-468 (1982).
8. J. Buijten, L. Blomberg, K. Markides and T. Wännman, "Crosslinked Methyl-phenylsilicones as Stationary Phases for Capillary Gas Chromatography." Chromatographia, 16, 183-187 (1982).
9. K. Markides, L. Blomberg, J. Buijten and T. Wännman, "Cyanosilicones as Stationary Phases in Gas Chromatography," J. Chromatogr., 254, 53-61 (1983).
10. Buijten, L. Blomberg, K. Markides and T. Wännman, "Immobilization of Polyethylene Glycol in Capillary Columns for Gas Chromatography." J. Chromatogr., 268, 387-394 (1983).
11. K. Markides, L. Blomberg, J. Buijten and T. Wännman, "Cyanosilicones as Stationary Phases in Gas Chromatography," J. Chromatogr., 267, 29-38 (1983).
12. L. Blomberg, J. Buijten, K. Markides and T. Wännman, "Some Aspects of Current Techniques for the Preparation of Capillary Columns for Gas Chromatography," J. Chromatogr. A., 279, 9-20 (1983).
13. J. Buijten, L. Blomberg, S. Hoffman, K. Markides and T. Wännman, "Ozone as an In Situ Cross-linking of Non- polar and Medium-polar Silicone Stationary Phases for Capillary Gas Chromatography," J. Chromatogr., 289, 143-156 (1984).
14. J. Buijten, L. Blomberg, S. Hoffman, K. Markides and T. Wännman, "Use of Poly(silylene-methylphenylsiloxane) Block Copolymer as a Thermo-stable Stationary Phase in Capillary Column Gas Chromatography," J. Chromatogr., 301, 265-269 (1984).
15. S. Hoffman, L. Blomberg, J. Buijten, K. Markides and T. Wännman, "GC/MS Analysis of Compounds Generated upon Thermal Degradation of some Station-ary Phases in Capillary Gas Chromatography," J. Chromatogr., 302, 95-106 (1984).
16. K. Markides, L. Blomberg, J. Buijten, S. Hoffmann and T. Wännman, "Cyano-silicones as Stationary Phases in Gas Chromatography, III. Synthesis, Characterization and Evaluation," J. Chromatogr., 302, 319-340 (1984).
17. J.C. Kuei, B.J. Tarbet, W.P. Jackson, J.S. Bradshaw, K.E. Markides and M.L. Lee, "A New n-Octyl-methyl Polysiloxane Stationary Phase for Capillary Column Gas and Supercritical Fluid Chromatography," Chromatographia, 20, 25-30 (1985).
18. K.E. Markides, M. Nishioka, B.J. Tarbet, J.S. Bradshaw and M.L. Lee, "Smectic Biphenylcarboxylate Ester Liquid-Crystalline Polysiloxane Stationary Phase for Capillary Gas Chromatography," Analytical Chemistry, 57, 1296 (1985).
19. K.E. Markides and M.L. Lee, "Recent Advances in Capillary Supercritical Fluid Chromatography," in J.G. Nikelly (ed.) Advances in Capillary Chromatography, Dr. Alfred Huethig Verlag, Heidelberg, 1986, p.19.
20. K.E. Markides, B.J. Tarbet, C.L. Woolley, C.M. Schregenberger, J.S. Bradshaw, K.D. Bartle, and M.L. Lee, "Deactivation of Fused Silica Capillary Columns with Phenylhydrosiloxanes," HRC&CC, 8, 379 (1985).

21. K.E. Markides, H-C. Chang, C.M. Schregenberger, B.J. Tarbet, J.S. Bradshaw, and M.L. Lee, "Evaluation of Smectic Biphenylcarboxylate Ester Liquid-crystalline Polysiloxane Stationary Phases for Capillary Column Gas Chromatography," *HRC&CC*, 8, 516 (1985).
22. L.G. Blomberg, and K.E. Markides, "The Role of Organosilicon Chemistry in the Preparation of Capillary Columns for Gas Chromatography," *HRC&CC*, 10, 632 (1985).
23. J.S. Bradshaw, N.W. Adams, B.J. Tarbet, C.M. Schregenberger, R.S. Johnson, M.B. Andrus, K.E. Markides, and M.L. Lee, "Preparation of Polysiloxane Stationary Phases for Capillary Column Chromatography: a New Methoxyphenyl Phase," *HRC&CC*, 8, 678 (1985).
24. M.L. Lee, S.R. Goates, K.E. Markides, and S.A. Wise, "Frontiers in Analytical Techniques for Polycyclic Aromatic Compounds," *Proc. 9th Intern. Symp. on Polynuclear Aromatic Hydrocarbons*, Columbus, OH, October, 1984.
25. K.E. Markides, B.J. Tarbet, C.M. Schregenberger, J.S. Bradshaw, K.D. Bartle, and M.L. Lee, "Deactivation of Fused Silica Capillary Columns with Cyanopropylhydrosiloxanes," *HRC&CC*, 8, 741 (1985).
26. K.E. Markides, E.D. Lee, R. Bolick, and M.L. Lee "Capillary Supercritical Fluid Chromatography with Dual-Flame Photometric Detection," *Anal. Chem.* 58, 740-743 (1986).
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