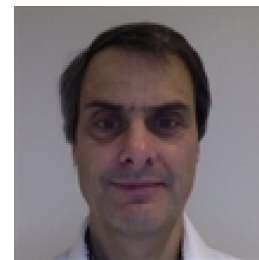


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## Forskningsområde

Massespektrometri til analyse af kemiske og biologiske processer i real-tid, herunder udvikling af miniaturiserede bærbare massespektrometre til analyse i felten.

Massespektrometriske metoder til karakterisering af nano-materialer

## Uddannelse

1986Cand. Scient. (Fysik), Fysisk Institut, Odense Universitet, Danmark  
1990Ph.D. (Biokemi), Biokemisk Institut, Odense Universitet, Danmark  
2001Dr.Scient. (Massespektrometri), Syddansk Universitet

## Ansættelser:

Sep. 1990 - Feb. 1991 :- Postdoc, Biokemisk Institut, Odense Universitet.

Mar. 1991- Maj 1992 :- Visiting scientist, Department of Chemistry, Purdue University, Indiana, USA.

Jan. 1992 - Aug.1995 :- Adjunkt, Biokemisk Institut, Odense Universitet

Sep. 1995 - Dec. 2003 :- Lektor, Biokemisk Institut, Syddansk Universitet

Jan 2004 – Mar. 2009 :- Professor, Kemisk Institut, Københavns Universitet

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1995 - : - Etablerer konsulentvirksomheden MIMS Systems som i samarbejde med Mikrolab Aarhus A/S sælger og udvikler specialbyggede massespektrometre til overvågningsopgaver.

## Tillidshverv

Sep. 1992 - Apr. 1993 :- Naturvidenskabeligt Fakultetsråd, Odense University.

Jan. 1993 - Dec. 1994 :- Bestyrelsen, Centre for Process Biotechnology, Danmarks Tekniske Universitet

Jan. 2000 - Nov. 2003 :- Bestyrelsen, Centre for Water Quality Sensors, Institute for Water and Environment, Aarhus, Danmark

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Maj 2014 - :- Bestyrelsesmedlem Tornbjerg Gymnasium, Odense

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Mar 2019 - :- Bestyrelsesmedlem Mejeribrugets Forsknings Fond

## Publikationer

### **Directing a Non-Heme Iron(III)-Hydroperoxide Species on a Trifurcated Reactivity Pathway**

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**Release of VOCs and particles during use of nanofilm spray products**

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**Metabolism of halogenated compounds in the white rot fungus Bjerkandera adusta studied by membrane inlet mass spectrometry and tandem mass spectrometry**

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**Membrane Introduction Mass Spectrometry**

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**A New Membrane Inlet for On-Line Monitoring of Dissolved, Volatile Organic Compounds with Mass Spectrometry**

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**Gas-Exchange Rates in the Belousov-Zhabotinski Reaction Determined with Membrane Inlet Mass Spectrometry**

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