

CURRICULUM VITAE

CONSTANTINOS A. VAROTSIS

Birthdate: 28 June 1960
BusinessAddress: Department of Chemical Engineering, Cyprus University of Technology, 31 Archbishop Kyprianos, 3036 Lemesos, Cyprus
P.O. Box 50329, 3603 Lemesos, Cyprus
Telephone: +357-25002451, Fax: +357-25002636.
Email: c.varotsis@cut.ac.cy
<http://ebbl.cut.ac.cy>

CURRENT POSITION

Professor
Department of Chemical Engineering
Cyprus University of Technology

EDUCATION

Ph.D in Chemical Physics, Michigan State University, U.S.A	June 1990
M.S. in Physics, Northeastern University, U.S.A	June 1985
B.S. in Chemistry and Physics, Minor in Mathematics, U. of Cincinnati, U.S.A	June 1983

PROFESSIONAL EXPERIENCE

University of Cincinnati	
Undergraduate Research	1981-1983
Teaching duties for undergraduate students	1983
Northeastern University	
Teaching Assistant	1983-1985
Research Assistant	1985-1987
Michigan State University	
Research Assistant	1987-1990
Research Associate	1990-1992
University of Crete	
Assistant Professor	1993-1999
Associate Professor	1999-2003
Professor	2003-2009
Cyprus University of Technology	
Professor	2009-now

RESEARCH AND ACADEMIC ACTIVITIES

My recent research focuses on Marine photosynthesis by Diatoms. The growth and isolation of the enzymes/proteins we have achieved, in conjunction with our expertise in a host of steady state (electronic, Raman, FTIR) and time-resolved FTIR and Raman spectroscopies (from nanoseconds to milliseconds) permits us to define critical physical and chemical phenomena in Environmental

Chemistry and Chemical Biotechnology. Since surface reactivity of chemical species to a great extent is influenced by surface structure, fundamental studies elucidating the orientation and structure of the molecules residing at surfaces are necessary and helpful for understanding Environmental heterogeneous bio-catalytic and chemical Biotechnological processes. The application of Laser induced breakdown spectroscopy (LIBS) towards the detection of heavy/toxic metal contamination in the sea environment is also available in my laboratory.

Visiting Research Professor, U. of Helsinki, Finland	1/2004- 4/2004
Visiting Research Professor, Michigan State University	1-6/30-9 1994
Visiting Research Professor, Michigan State University	15-6/30-9 1995
Visiting Research Professor, Michigan State University	1-6/30-9 1996
Visiting Research Professor, Michigan State University	1-6/30-9 1997
Okazaki National Research Institute of Biomolecular Sciences, Japan	10/1998- 6/1999
Visiting Assist. Professor, Institute of Biosciences, Okazaki, Japan	8/1999-10/1999
Visiting Research Professor, University of Frankfurt, Germany	6/2000- 9/2000
Visiting Research Professor, EMBL, Germany	9/2001- 6/2002
Visiting Professor, Okazaki National Labs, Japan	8/2003- 6/2004