

Prof. Dr.-Ing. Schmid Andreas
University of Applied Sciences
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- Germany -

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Curriculum Vitae

Education

Apprenticeship as an Engineering Draftsman (Mechanical Engineering)
Final: Facharbeiterbrief / professional licence

Service in the German Army
(Artillery-Battalion 115 - Neunburg vorm Wald)

Fachoberschule Bayreuth
Final: Fachhochschulreife – A-level

University of Applied Science, Mannheim - Dipl.-Ing. In Chemical
Engineering
Focus: Environmental Systems Engineering & Biotechnology

Expert for water pollution control § 21c, Abs. 2 WHG
Expert for solid waste treatment § 11c, Abs. 2 AbfG
Expert for air pollution control - 6. BImSchV

University of Wales (U.C. Swansea)
M.Sc.-Course in Biochemical Engineering
Focus: Biodynamic processes in waste-water treatment
Supported by a scholarship of the DAAD (3 120 098 662)

University of the Federal Armed Forces, Munich
Institut of Civil Engineering & Hydrology (Dr.-Ing.)
Ph.D.-Thesis: *The phenomenon of 'biological resonance' -
basis for optimisation of biological treatment units*
Supported by a Ph.D.-scholarship of the DBU –
Deutsche Bundesstiftung Umwelt (6000/272)

Qualification as Eur.-Ing. according the FEANI-criteria
(European Federation of National Engineering Associations)

Scientific Awards

Fritz-Leonhard-Reuther Award

J.F. Richardson Award

Invitation at the 50. Annual international meeting of the Nobel laureates at Lindau - Germany

Appreciation by the DECHEMA - Willy-Hager-Stiftung

Appreciation by the ATV-DVWK - Karl-Imhoff-Award 2002

Member of Science Advisory Board of 6th Annual World Congress of Industrial Biotechnology, 2013, Nanjing, China

Honorable Guest and Chairman of Keynote Lectures at 2nd International Conference on Hydrology & Groundwater Expo, 2013, Raleigh, USA

Professional Experiences

- 1991 Engineer for small waste-water treatment plants - Research & Development, Consultancy services at DYWIDAG-Umweltschutztechnik GmbH, Munich
- 1993 - 1997 Biochemical-Engineer for Environmental Systems Engineering at DORSCH CONSULT Ingenieurgesellschaft mbH, Munich
Section Hydrology - Foreign Affairs
Experiences abroad: Republic of Yemen, Tunisia
- 2001 - 2005 Head of Innovation-Management Division at EMU Unterwasserpumpen GmbH, Hof
Since 2003 incorporation of EMU by WILO AG
Since 2004 Head of Process Technology Department
- 2005 - 2007 Freelance Consultant in Environmental and Biochemical Engineering
Marketing of own patents
- 2007 - 2011 Project Manager Research & Consultancy - Water and Energy at Papiertechnische Stiftung, Munich
Consultancy services for pulp and paper industry
- 2011 - Full Professor for water and wastewater treatment at the University of Applied Sciences, Hof
- 2018 Visiting Professor at PSG College of Technology Coimbatore – Department of Biotechnology, Anna University, India.
Funded by *GIAN - Global Initiative on Academic Networks*

Participation in Scientific Working Groups

National delegate of Working Group no. 4; Biological Processes of COST-Action 624 "Optimal Management of Waste-water Systems"
European cooperation of scientific and technical research (COST)

Scientific adviser for IWA (International Water Association)
Expert in Wastewater Treatment - Emphasis in Activated Sludge
Population Dynamics and Advanced Technologies

Member of Special Committee for the Appointment of Academic Staff
at the Technical University Cyprus

External Examiner for Ph.D. program of Anna University Chennai,
India

Reviewer for the Journal *Water Research*

Reviewer for the Journal *Water Science and Technology*

Reviewer for the Journal *Water Supply*

Reviewer for the Journal *Water Practice & Technology*

Reviewer for the Journal *H2Open Journal*

Reviewer for the Journal *IWA Open Water Journal*

Reviewer for the Journal *Blue-Green Systems*

Reviewer for the Journal *Chemosphere*

Reviewer for the Journal *Ultrasonics Sonochemistry*

Reviewer for the Journal *Industrial Biotechnology*

Reviewer for *CRC Press*

Reviewer for *DAAD – Deutscher Akademischer Austauschdienst*

Reviewer for *DFG – Deutsche Forschungsgemeinschaft*

Reviewer for *DBU - Deutsche Bundesstiftung Umwelt*

Reviewer for *FNR - Fachagentur Nachwachsende Rohstoffe*

Member of DAAD committee – HAW International

Member of DWA - German Water Association

DWA-specialist working group IG-5.1 "Anaerobic treatment of
industrial wastewater"

Guest DWA-main working group IG "Industrial wastewater treatment"

Member of IWA - International Water Association

Member of EFB - European Federation of Biotechnology

Deputy Leader of VDMA-Specialist Group "Sludge Disintegration"

Member of FUTUR-workgroup of BMBF - German Ministry of
Education and Science -

Chairman of Environmental Biotechnology

6th Annual World Congress of Industrial Biotechnology, Nanjing, 2013

Chairman of Environmental Biotechnology

4th International Symposium on Enzymes and Biocatalysis, Nanjing,
2013