

## RESUME PROF. DR. MATTHIAS EPPL



Name: Matthias Epple  
Date of Birth: 02.01.1966  
Location: Reutlingen/Germany  
Nationality: German  
Family: Married, 4 sons (Felix 1991, Tim 1994, Paul 1999, Jakob 2003)

- 1984-1989 : Study of Chemistry at the Technical University of Braunschweig; Diploma Thesis (Advisor: Prof. Dr. H.K. Cammenga) on *Thermal Analysis, Investigation of Solid State Reactions of Silver Complexes and Naphthalene-trans-Azobenzene Mixtures*
- 1989-1992 : PhD Thesis (TU Braunschweig; Advisor: Prof. Dr. H.K. Cammenga) on *Investigation of Solid State Reactions and Solid-Solid Phase Transformations with Time- and Temperature-Resolved X-Ray Powder Diffractometry*.
- 08.05.1992 : Graduation to PhD (grade "summa cum laude")
- 1993 : Postdoctoral Studies at the Department of Chemical Engineering, University of Washington, Seattle, USA, with Prof. Dr. J. C. Berg on *Secondary Fiber Recovery from Wastepaper by Flotation Processes. Surface Chemical Investigations*.
- 1994-1997 : Postdoctoral Studies ("Habilitation") at the Department of Inorganic and Applied Chemistry, University of Hamburg, with Prof. Dr. A. Reller
- 1995, 1996 : Postdoctoral Studies at the Royal Institution, London, and at the synchrotron source at Daresbury with Prof. Dr. Sir J. M. Thomas
- 08.12.1997 : Habilitation in "Solid State Chemistry" at the University of Hamburg
- 10.06.1998 : Privatdozent ("Lecturer") for Inorganic Chemistry
- May to December 1998 : Guest Professor for Solid State Chemistry at the University of Augsburg
- 01.04.2000-30.09.2003 : Associate Professor (C3) of Inorganic Chemistry at the Ruhr-University of Bochum
- since 01.10.2003 : Full Professor (C4; Chair of Inorganic Chemistry) at the University of Duisburg-Essen

### Awards and scholarships

- 1984 : Award by the Chemical Industry Fund as best chemistry student of the Albert-Schweitzer Highschool
- 1990-1992 : Grant for Doctoral Studies by the Chemical Industry Fund
- 1992 : PhD student award by the Hoechst AG
- 1993 : Postdoctoral Grant by the Deutsche Forschungsgemeinschaft

1994-1996	:	Research Grant for Habilitation by the Deutsche Forschungsgemeinschaft
1995	:	Netzsch-GEFTA Young Scientist Award of the German Thermoanalytical Society (GEFTA)
1998-2000	:	Heisenberg Grant by the Deutsche Forschungsgemeinschaft (DFG)
1998	:	Heinz Maier-Leibnitz Award by the Deutsche Forschungsgemeinschaft
2004	:	Fellow of the Program for the Invitation of Foreign Scientists to Japanese Institutes by the Japanese Association for the Advancement of Medical Equipment (JJAME Fellowship)
2007	:	Fellow of the Royal Society of Chemistry (FRSC)
2017	:	Award "Essen forscht und heilt" in the category "Medicine and Science" by the Essener Gesundheitsforum, with A.M. Westendorf
2017	:	GIAN Lectureship, Anna University, Chennai, India, on Biomaterials and Nanomedicine

### **Appointments, Board Memberships**

- Guest in the Board of the German Thermoanalytical Society (GEFTA) (1999-2004)
- Member of the Advisory Board Synchrotron Radiation of the German Electron Synchrotron (DESY), Hamburg (2001-2003)
- Member of the Board of the Competence Center Medical Technology Ruhr (KMR) (2001-2004)
- Dean of Studies of the Faculty of Chemistry, University of Bochum (2002-2003)
- Member of the Board of the University Center for Medical Technology, University of Bochum (2003-2004)
- Dean of Studies of the Faculty of Chemistry, University of Duisburg-Essen (2004-2008)
- Coordinator of the Group Research in Biomedical Sciences (RIBS), University of Duisburg-Essen (2005-2010)
- Chairman of the Committee for PhD studies, Faculty of Chemistry, University of Duisburg-Essen (2006-2008)
- Member of the Selection Committee of the German Academic Exchange Service (DAAD) for the Leonhard-Euler-Program (since 2007)
- Member of the Selection Committee of the German Academic Exchange Service (DAAD) for individual scholarships for students from Eastern Europe and Central Asia (2007-2017)
- Member of the Board of the *Center for Nanointegration Duisburg-Essen* (CeNIDE), University of Duisburg-Essen (2007-2009)
- Dean of the Faculty of Chemistry, University of Duisburg-Essen (2008-2011)
- Member of the Committee for the central "Abitur" (subject chemistry) of North-Rhine Westphalia (2008-2013)
- Member of the Scientific Board of the German Textile Institute North-West (DTNW), Krefeld (since 2008)
- Vice-President of the German Society for Biomaterials (2008-2010)
- Member of the University Commission for Equal Opportunities of the University of Duisburg-Essen (since 2009), Vice-chairman (since 2019)
- President of the German Society for Biomaterials (2010-2013)
- Member of the Board of the German Society for Biomaterials (2013-2016)

- Member (since 2010) and Speaker (since 2016) of the Scientific Board of the Center for Environmental Research and Sustainable Technologies at the University of Bremen
- Member of the Editorial Board of *RSC Advances* (Royal Society of Chemistry) (2011-2019)
- Member of the Selection Committee of the German Academic Exchange Service (DAAD) for Indian Graduate Students (2011-2016)
- Elected referee ("Fachkollegiat") of the Deutsche Forschungsgemeinschaft for the area of biomaterials (2012-2016)
- Member of the *Mistra Nanotechnology Steering Group*, Stockholm, Schweden (2012-2013)
- Referee ("Fachkollegiat") of the Deutsche Forschungsgemeinschaft for the area of biomedical technology (2012-2016)
- Member of the Scientific Advisory Board of the Biomedical Research Networking Center in Bioengineering, Biomaterials and Nanomedicine (CIBER-BBN; Spain) (2013-2018)
- Guest Professor, Northern Polytechnical University, Xi'an, China (2014)
- Vice-President of the German-Ukrainian Academic Society (Berlin) (since 2017)
- Member of the *Advisory Council on Internationalisation* of the University of Duisburg-Essen (since 2019)
- Speaker of the Research Training group (Graduiertenkolleg) of the Collaborative Research Center SFB 1093: *Supramolecular Chemistry on Proteins* (2019-2022)
- Member of the Advisory Board of the "Deutsches Wissenschafts- und Innovationshaus (DWIH) Sao Paulo" as representative of the University Alliance Ruhr (UAR) (since 2020)
- Member of the Senate of the University Duisburg-Essen (2021-2024)
- Elected referee ("Fachkollegiat") of the Deutsche Forschungsgemeinschaft for the area of biomaterials (2024-2028), Chairman of the Board 4.32: Materials Science

### **Main Current Research Interests**

- Synthesis and functionalization of inorganic nanoparticles, e.g. for gene and drug delivery and immunization
- Development and application of biomaterials: polymers, ceramics, metals, composites; in close collaboration with physicians
- Study of biominerals with high-end solid-state chemical methods
- Biomimetic crystallization of inorganic materials, pathological crystallization phenomena
- Reactivity of solids

### **Full list of publications at**

[www.uni-due.de/chemie/ak\\_epple/publikationen/zeitschriften.php](http://www.uni-due.de/chemie/ak_epple/publikationen/zeitschriften.php)

560 peer-reviewed publications and book chapters

As of 05.04.2024: 24.826 citations, h-index 71 (Web of Science)

ORCID ID: 0000-0002-1641-7068

Scopus Author ID: 7004399530

Google Scholar [https://scholar.google.com/citations?user=7\\_8pg8oAAAAJ&hl=de](https://scholar.google.com/citations?user=7_8pg8oAAAAJ&hl=de)

### **Hobbies**

Family, travelling, early modern period of modern history