

Maciej Zajac

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WORK EXPERIENCE

Since 2024 **Team Leader Scientific Coordination in Global Research and Development**
Heidelberg Materials AG, Leimen, Germany

2020 - 2024 **Principal Scientist in Global Research and Development**
Heidelberg Materials AG, Leimen, Germany

2011 - 2020 **Senior Scientist in Global Research and Development**
HeidelbergCement AG, Leimen, Germany

2008 – 2011 **Scientist in Global Research and Development**
HeidelbergCement AG, Leimen, Germany

2007 – 2008 **Trainee at HeidelbergCement Technology Center**
HeidelbergCement AG, Leimen, Germany

2003– 2006 **R&D Engineer at Association Technique de l'Industrie des Liants Hydrauliques (ATILH)**
Paris-La-Défense, France

EDUCATION

2021 **Habilitation degree in the discipline of chemical engineering**
AGH University of Science and Technology, Krakow, Poland
Title of the work: "Thermodynamic modelling in cement science: case study on novel production process and novel supplementary cementitious material based on the recycled, carbonated cement paste"

2003 - 2007 **PhD in physical-chemistry**
University of Burgundy, Dijon, France
Title of the PhD thesis: "Why increasing early resistance results in decreased long term resistance of the cement materials"

1998 - 2003 **Engineer in Material Science / Master in Material Science**
AGH University of Science and Technology, Krakow, Poland

Scientific Achievements

89 scientific documents with h index of 44 (<https://www.scopus.com>)

40 patents (<https://www.epo.org>)

Keynote Speaker at scientific conferences (e.g., ICC), presenting research progress in hydration and carbonation of cementitious materials

Co-supervisor of PhD projects investigating composite cement hydration and carbonation mechanisms and technologies