

PERSONAL DATA

Name: Bence Kutus
Place and date of birth: Kalocsa, 27 October 1990
Workplace: University of Szeged, Department of
Molecular and Analytical Chemistry
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PROFESSIONAL EXPERIENCE

2022– Research fellow, Dept. of Molecular and Analytical Chemistry, Univ. of Szeged
2018–2022 Research fellow, Max Planck Institute for Polymer Research, Mainz, Germany
2017–2018 Research associate, Dept. of Inorganic and Analytical Chemistry, Univ. of Szeged

RESEARCH FIELD

equilibria of complex and micelle formation, ion-pairing, solubility processes, solution chemistry of bauxite residue and other industrially relevant systems

PUBLICATION METRICS

34 papers in international, peer-reviewed journals (first author: 12, corresponding author: 8); cumulative impact factor: 157.8; number of independent citations: 221, Hirsch index: 11

1 book chapter, 9 publications in conference proceedings (international and Hungarian)

RESEARCH VISITS

2017 ‘Solution Chemistry’ Group, University of Regensburg, Regensburg, Germany
Topic: the Na⁺ ion-pairing and hydration of citrate ion
2015 ‘Aquatic Chemistry and Thermodynamics of Actinides and Long-lived Fission Products’ Group, Karlsruhe Institute of Technology, Karlsruhe, Germany

EDUCATION

2014–2017 Ph.D. in Chemistry (summa cum laude), Doctoral School of Chemistry, University of Szeged
Title of the dissertation: Complex formation and lactonization reactions in aqueous solutions containing Ca²⁺ or Nd³⁺ ions and sugar-type ligands
2012–2014 M.Sc. in Chemistry, Department of Inorganic and Analytical Chemistry, University of Szeged
2009–2012 B.Sc. in Chemistry, Department of Inorganic and Analytical Chemistry, University of Szeged

LANGUAGE EXAMS

2021 German, B2 level (Goethe)
2017/2018 English, C1 level (Origó)

2006 English B2 level (TELC)

TEACHING ACTIVITIES

lectures: Chemistry of non-aqueous solutions and melts; Inorganic Chemistry

laboratory practices: General Chemistry, Analytical Chemistry, Synthetic Chemistry, Inorganic Chemistry

SCIENTIFIC COMPETITIONS

2013 XXXI National Scientific Students Conference, Coordination Chemistry Section, 2nd place

2012 National Scientific Students Conference, Coordination and Environmental Chemistry Section, 1st place

2007 Irinyi János National Chemistry Competition, 1st place and Irinyi Award

SCHOLARSHIPS AND SCIENTIFIC RECOGNITIONS

2023 Bolyai János Research Scholarship by the Hungarian Academy of Sciences, Junior Prima Prize, Bolyai+ Scholarship of the New National Excellence Programme

2020 Postdoctoral Research Scholarship by the Alexander von Humboldt Foundation, Pro Laudanda Promotio Award by the University of Szeged

2019 Best Presentation, Young Researcher Section, International Conference on Solution Chemistry (Xining, China)

2017 SZTE Talent Scholarship and Excellence List Golden Level by the University of Szeged, Predoctoral Scholarship of the New National Excellence Programme

2015 Best Student Paper, Alumina Quality Workshop (Perth, Australia)

2014 Discipuli Pro Universitate Award by the University of Szeged, Sófi József Scholarship, SZTE Talent Scholarship and Excellence List Golden Level by the University of Szeged

2013 FERROÉP – Pro Talentis Scholarship, Scholarship by the Hungarian Republic, Eötvös Loránd Student Scholarship

2011 Scholarship by the Hungarian Republic

RESEARCH GRANTS

2024– OTKA Postdoctoral Research Grant

SOCIAL ACTIVITIES AND MEMBERSHIPS

2024– Member of the Hungarian Young Academy

2023– Member of the American Chemical Society

2022– Member of the Public Body of the Hungarian Academy of Sciences

2014– Member of the Hungarian Chemical Society