

Curriculum Vitae

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Experience:

06/2018 – Present: [PostDoc](#), University of Vienna, Institute for Inorganic Chemistry

04/2016 – 07/2017: [PostDoc](#), University of Grenoble, CIRE (Chimie Inorganique Redox), France

01/2016 – 03/2016: [PostDoc](#), Technical University of Bratislava, Institute for Physical Chemistry, Slovakia

10/2013 – 12/2016: [Doctorand](#), University of Vienna, Institute for Inorganic Chemistry

04/2013 – 09/2013: [Project employee](#), IST (Instituto Superior Técnico), Lisbon, Portugal

2010 – Present: [Tutor and Assistant](#), several Practical Courses, University of Vienna

Education:

10/2013 – 06/2015: [Doctoral Program in Chemistry](#), University of Vienna

10/2010 – 03/2013: [Master Studies in Chemistry](#), University of Vienna

10/2011 – 03/2012: [Erasmus Exchange Semester](#), University for Industrial Chemistry, Bologna, Italy

10/2006 – 06/2010: [Bachelor Studies in Chemistry](#), University of Vienna

09/2001 – 06/2006: [HBLF für Gartenbau \(Upper School for Horticulture\)](#), Vienna

Publications:

Novel Latonduine Derived Proligands and Their Copper(II) Complexes Show Cytotoxicity in the Nanomolar Range in Human Colon Adenocarcinoma Cells and in Vitro Cancer Selectivity

Bacher, F.; Wittmann, C.; Nove, M.; Spengler, G.; Marc, M. A.; Enyedy, E. A.; Darvasiova, D.; Rapta, P.; Reiner, T.; Arion, V. B.

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New Water-Soluble Copper(II) Complexes with Morpholine-Thiosemicarbazone Hybrids: Insights into the Anticancer and Antibacterial Mode of Action

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Complex Formation Reactions of Gallium(III) and Iron(III/II) with L-Proline-Thiosemicarbazone Hybrids: A Comparative Study

Bacher, F.; Doemoetoer, O.; Enyedy, E. A.; Filipovic, L.; Radulovic, S.; Smith, G. S.; Arion, V. B.
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Structure-Antiproliferative Activity Studies on L-Proline- and Homoproline-4-N-Pyrrolidine-3-Thiosemicarbazone Hybrids and Their Nickel(II), Palladium(II) and Copper(II) Complexes

Dobrova, A.; Platzter, S.; Bacher, F.; Milunovic, M. N. M.; Dobrov, A.; Spengler, G.; Enyedy, E. A.; Novitchi, G.; Arion, V. B.
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Strong Effect of Copper(II) Coordination on Antiproliferative Activity of Thiosemicarbazone-Piperazine and Thiosemicarbazone-Morpholine Hybrids

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Effects of Terminal Dimethylation and Metal Coordination of Proline- 2-formylpyridine Thiosemicarbazone Hybrids on Lipophilicity, Antiproliferative Activity, and hR2 RNR Inhibition

Bacher, F.; Dömötör, O.; Kaltenbrunner, M.; Mojović, M.; Popović-Bijelić, A.; Gräslund, A.; Ozarovski, A.; Filipović, L.; Radulović, S.; Enyedy, É. A.; Arion, V. B.
Inorg. Chem. **2014**, 53, 12595–12609.

Ruthenium Compounds as Antitumor Agents: New Developments

Bacher, F.; Arion, V. B.
Reference Module in Chemistry, Molecular Sciences and Chemical Engineering, Elsevier: **2014**.
(Book chapter)

Copper(II) Complexes with Highly Water-Soluble L- and D-Proline–Thiosemicarbazone Conjugates as Potential Inhibitors of Topoisomerase II α

Bacher, F.; Enyedy, É. A.; Nagy, N. V.; Rockenbauer, A.; Bognár, G. M.; Trondl, R.; Novak, M. S.; Klapproth, E.; Kiss, T.; Arion, V. B.
Inorg. Chem. **2013**, 52, 8895–8908.

Ruthenium- and Osmium-Arene Complexes of 2-Substituted Indolo[3,2-c]quinolines: Synthesis, Structure, Spectroscopic Properties, and Antiproliferative Activity

Filak, L. K.; Mühlgassner, G.; Bacher, F.; Roller, A.; Galanski, M.; Jakupec, M. A.; Keppler, B. K.; Arion, V. B.
Organometallics **2011**, 30, 273–283.