

Luana-Flavia Radu

Educație

Oct. 2016 – prezent	Universitatea Babeș-Bolyai, doctorand în Chimie
Oct. 2014 – Iun. 2016	Universitatea Babeș-Bolyai, master în Ingineria proceselor organice și biochimice
Oct. 2011 – Iun. 2014	Universitatea Babeș-Bolyai, licență în Chimie
Sept. 2007 – Iun. 2011	Colegiul Național Alexandru Papiu-Ilarian (Tg.-Mureș) Bacalaureat: Matematică (10), Chimie (10)

Experiență relevantă

Sept. 2017 – Dec. 2019	Univ. Babeș-Bolyai, Asistent în cercetare (PN-III-P4-ID-PCE-2016-0089)
Nov. 2016 – Sept. 2017	Univ. Babeș-Bolyai, Asistent în cercetare (PN-II-RU-TE-2014-4-1197)
Mart. 2015 – Febr. 2016	World Federation of Scientists – proiect “Noncovalent interactions between hemoglobin and compounds with potential biological activity”

Conferințe

Oct. 2018	Molecular Modeling in Chemistry and Biochemistry 28-30 October, Cluj-Napoca, Romania Poster: Reversible complexation of ammonia by breaking a manganese-manganese bond in a manganese carbonyl ethylenedithiolate complex
Aug. 2017	11th Triennial Congress of the World Association of Theoretical and Computational Chemists 27 August – 1 September 2017 Munich, Germany Poster: Bonding of carbonyl groups to the dipentalene dititanium system relating to products from CO ₂ activation
Iun. 2017	International Conference Bio-Nano-Math-Chem 28-30 June 2017, Cluj-Napoca, Romania Poster: Bonding of carbonyl groups to the dipentalene dititanium system relating to products obtained from CO ₂ activation
Nov. 2016	Molecular Modeling in Chemistry and Biochemistry 13-15 November 2016, Cluj-Napoca, Romania Poster: Antioxidant docking against globin proteins
Apr. 2015	International Conference Students for Students 22-26 April 2015, Cluj-Napoca, Romania Poster: Noncovalent interactions between hemoglobin and antioxidants
Nov. 2014	Molecular Modeling in Chemistry and Biochemistry 13-15 November 2014, Cluj-Napoca, Romania Poster: Noncovalent interactions between hemoglobin and compounds with potential biological activity

Sept. 2014

MatCatNet Workshop „From Molecules to Functionalised Materials” Scientific Module „Polymers” 5-10 September, 2014, Ohrid, Macedonia
Flash Presentation: Noncovalent interactions between hemoglobin and compounds with potential biological activity

Articole

- 1. The group 9 cyclopentadienylmetal *cis*-ethylenedithiolates as ligands in metal carbonyl chemistry: analogies to benzene metal carbonyl complexes**
Radu Luana-Flavia, Amr Attia, Silaghi-Dumitrescu Radu, Lupan Alexandru, King Robert Bruce
New Journal of Chemistry, 2019, 43, 12711-12718, i.f. 3.069
- 2. Reversible complexation of ammonia by breaking a manganese-manganese bond in a manganese carbonyl ethylenedithiolate complex: a theoretical study of an unusual type of Lewis acid**
Radu Luana-Flavia, Attia Amr, Silaghi-Dumitrescu Radu, Lupan Alexandru, King Robert Bruce
Dalton Transactions, 2019, 48, 324-332, i.f. 4.099, Q1
- 3. Binuclear pentalene titanium carbonyls: comparison with related cyclopentadienyltitanium carbonyls**
Radu Luana-Flavia, Attia Amr, Lupan Alexandru, King Robert Bruce
International Journal of Quantum Chemistry, 2018, 118, e25762, i.f. 2.568
- 4. The high affinity of small-molecule antioxidants for hemoglobin**
Puscas C., Radu Luana, Carrascoza F., Mot A., Amariei D., Lungu O., Scurtu F., Podea P., Septelean R., Attia A., Silaghi-Dumitrescu Radu
Free Radical Biology and Medicine, 2018, 124, 260-274, i.f. 6.02, Q1
- 5. Binuclear pentalene titanium carbonyls involved in the deoxygenation of carbon dioxide**
Radu Luana-Flavia, Attia Amr, Lupan Alexandru, King Robert Bruce
Journal of Organometallic Chemistry, 2018, 867, 201-207, i.f. 1.964, Q2

Limbi cunoscute

Română, Engleză

Oct. 2013 – Oct. 2015	Organizarea Zilei Porților Deschise a Facultății de Chimie și Inginerie Chimică, Univ. Babeș-Bolyai
Apr. 2012	Schimb de experiență la Universitatea din București, Facultatea de Chimie
Sept. 2009 – Iun. 2011	Premiul 1 la Olimpiada Județeană de Chimie (2010, 2011) Mențiune specială la Olimpiada Națională de Chimie (2011) Participare la concursuri de matematică – etape județene (Premiul 2 la etapa județeană a concursului Adolf Haimovici – 2010) Premiul de onoare Papiu (2010)