

Lista de lucrări

Clasificarea revistelor pe quartile s-a efectuat după factorul de impact din anul publicării, sau din anul cel mai apropiat disponibil;

Co-autor pentru o carte pentru studenți și co-autor pentru două capitole de carte (secțiunea d);

Număr total de articole publicate în reviste WoS: 91; Factor de impact cumulat: 262; număr articole în funcție de quartilele revistelor: 31 Q1, 29 Q2, 31 Q3-4; autor principal pentru 38 articole, din care autor corespondent pentru 23 articole (secțiunea e);

Număr prezentări orale susținute de candidat la conferințe științifice: 18 (din care 2 invitate)(secțiunea g2.);

Număr lucrări coautorate de candidat în cadrul altor prezentări orale/postere la conferințe științifice: 32 (secțiunea g3.)

Număr lucrări coordonate și prezentate la conferințe științifice ca postere/prezentări orale de către studenți nivel licență-masterat: 27 (secțiunea g4.)

*autor corespondent, #autori cu contribuție egală;

a) Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru domeniul disciplinelor postului pentru care candidează, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări;

10. Alexandra Ganda[#], Cezara Zagrean-Tuza[#], Eniko Covaci, Tiberiu Frentiu, Olivian Marincas, Emese Gal, Augustin C. Moț*, Unravelling the bridge of polyphenol composition and mineralomics in Se biofortified edible *Allium* species, **Journal of Food Composition and Analysis** 135 (2024) 106648. **Q2**

9. Bogdan Bosca, Augustin C. Moț*, Novel simultaneous determination of alliin and allicin in *Allium sp.* using digital subtraction HPTLC, **Journal of Chromatography B** 1222 (2023) 123700. **Q2**

8. Augustin C. Moț*, Cristina Coman, Niculina Hadade, Grigore Damian, Radu Silaghi-Dumitrescu, Hendrik Heering, “Yellow” laccase from *Sclerotinia sclerotiorum* is a blue laccase that enhances its substrate affinity by forming a reversible tyrosyl-product adduct, **PloS One**, 15 (2020) e0225530. **Q2**

7. Alexandrina Guidea, Cezara Zăgrean-Tuza, Augustin C. Moț*, Costel Sârbu, Comprehensive evaluation of radical scavenging, reducing power and chelating capacity of free proteinogenic amino acids using spectroscopic assays and multivariate exploratory techniques, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 233 (2020) 118158. **Q1**

6. Cezara Zagrean-Tuza, Augustin C. Moț*, Tomasz Chmiel*, Attila Bende, Ioan Turcu*, Sugar matters: Sugar moieties as reactivity-tuning factors in quercetin O-glycosides, **Food & Function**, 11 (2020) 5293-5307. **Q1**

5. Cezara Zagrean-Tuza, Sorin Dorneanu, Augustin C. Moț*, The strange case of polyphenols inhibiting the Briggs-Rauscher reaction: pH-modulated reactivity of the superoxide radical, **Free Radical Biology and Medicine**, 146 (2020) 189-197. **Q1**

4. Augustin C. Moț, Erik Prell, Maria Klecker, Christin Naumann, Frederik Faden, Bernhard Westermann, Nico Dissmeyer*, Real-time detection of N-end rule-mediated ubiquitination via fluorescently labeled substrate probes, **New Phytologist**, 217 (2018) 613-624. **Q1**

3. Augustin C. Moț*, Cristina Coman, Carmen Miron, Grigore Damian, Costel Sarbu, Radu Silaghi-Dumitrescu*, An assay for pro-oxidant reactivity based on phenoxyl radicals generated by laccase, **Food Chemistry** 143 (2014) 214-222. **Q1**
2. Augustin C. Moț*, Radu Silaghi-Dumitrescu, Costel Sarbu, Rapid and effective evaluation of the antioxidant capacity of propolis extracts using DPPH bleaching kinetic profiles, FT-IR and UV-vis spectroscopic data, **Journal of Food Composition and Analysis**, 24 (2011) 516-522. **Q1**
1. Augustin C. Moț, Florin Soponar Costel Sârbu*, Multivariate analysis of reflectance spectra from propolis: Geographical variation in Romanian samples, **Talanta** 81 (2010) 1010-1015. **Q1**

b) teza sau tezele de doctorat;

b1. Teza de doctorat

Titlu: Lacaza din *Sclerotinia sclerotiorum*: caracterizare biochimică și aplicații

Data susținerii: 03.10.2012

Calificativ: Excelent (*Summa cum laude*)

b2. Teza de abilitare

Advancements in bioanalytical methods and their applications to complex sample analysis, Institutul de Studii Doctorale, Universitatea Babeș-Bolyai, Cluj-Napoca

Data susținerii: 10.10.2024

c) brevete de invenție și alte titluri de proprietate industrială;

1. Cerere brevet național de invenție, OSIM A/00385, 2.07.2023: “**Complex supramolecular Ketoconazol-PAMAM-G5-NH₂ pentru administrare topică**”, Flavia Martin, Ioana Bâldea, Maria Miclăuș, Ioana Grosu, Irina Kacso, Augustin C. Moț

d) cărți și capitole în cărți;

d1. Cărți

3. Tiberiu Frențiu, Augustin C. Moț, Enikő Covaci, Metode instrumentale de analiză: aplicații, Presa Universitară Clujeană, 2019.

d1. Capitole de cărți

2. Augustin C. Moț, Bischin Cristina Maria, Damian Grigore, Silaghi-Dumitrescu Radu, Antioxidant activity evaluation involving hemoglobin-related free radical reactivity. Advanced protocols in oxidative stress III, **Methods in Molecular Biology**, ed. Donald Armstrong, Humana Press, Springer Science, 18 (2015) 247-255.

1. Christin Naumann, Augustin C. Moț, Nico Dissmeyer, Generation of artificial N-end rule substrate proteins *in vivo* and *in vitro*, Plant Proteostasis series, **Methods in Molecular Biology**, eds. Rune Matthiesen, Maria Lois, Springer International Publishing, 1450 (2016) 55-83.

e) articole/studii in extenso, publicate în reviste din fluxul științific internațional principal. Articole publicate în reviste WoS.

91. Alexandra Ganda[#], Cezara Zagrean-Tuza[#], Eniko Covaci, Tiberiu Frențiu, Olivian Marincas, Emese Gal, Augustin C. Moț*, Unravelling the bridge of polyphenol composition and mineralomics in Se biofortified edible *Allium* species, **Journal of Food Composition and Analysis** 135 (2024) 106648. **Q2**

90. Augustin C. Moț, Ioana-Georgeta Grosu, Diana Bogdan, Xenia Filip, Anca Petran, Claudiu Filip*, Novel polydopamine-based composites with adjustable antioxidant activity, **Polymer** 307 (2024) 127233. Q2
89. Alexandra Ciorîță*, Sabina-Emanuela Erhan*, Maria Loredana Soran, Ildiko Lung, Augustin C. Mot, Sergiu Gabriel Macavei, Marcel Pârvu, Pharmacological potential of three berberine-containing plant extracts obtained from *Berberis vulgaris L.*, *Mahonia aquifolium (Pursh) Nutt.*, and *Phellodendron amurense Rupr.*, **Biomedicines** 12 (2024) 1339. Q1
88. Ioana Andreea Barbu, Vlad Alexandru Toma*, Augustin C. Mot, Ana-Maria Vlase, Anca Butiuc-Keul, Marcel Pârvu, Chemical composition and antioxidant activity of six *Allium* extracts using protein-based biomimetic methods, **Antioxidants** 13 (2024) 1182. Q1
87. Cezara Zagrean-Tuza, Galaba Pato, Grigore Damian, Radu Silaghi-Dumitrescu, Augustin C. Mot*, Redox reactivity of nonsymbiotic phytoglobins towards nitrite, **Molecules** 29 (2024) 1200. Q2
86. Eszter Ruprecht*, Franz Essl, Augustin C. Moț, Beatrix Balaji, Thomas Kuhn, Annamaria Fenesi, Constantin Mardari, Zsombor Miholcsa, Ecological attributes promoting intra-continental range-expansion of a native annual forb triggered by intensified land-use, **Flora** 310 (2024) 152416. Q2
85. Irina Kacso, Ioana Bâldea, Maria Miclăuș, Augustin C. Moț, Remus Moldovan, Flavia Martin*, Ketoconazole-PAMAN dendrimer supramolecular complex for prolonged delivery by in vitro and in vivo studies, **Studia Universitatis Babeș-Bolyai Chemia** 68 (2023) 137-154. Q3-4
84. Cristina Coman, Niculina Hădade, Szilárd Pesek, Radu Silaghi-Dumitrescu*, Augustin C. Moț, Removal and degradation of sodium diclofenac via radical-based mechanisms using *S. sclerotiorum* laccase, **Journal of Inorganic Biochemistry** 249 (2023) 112400. Q1
83. Sabina-Emanuela Erhan, Alina E Pârvu*, Alexandra Ciorîță, Ayu A Putri, Alexis J Villagrana Molina, Marcel Pârvu, Augustin C. Mot, Chemical composition and anti-inflammatory effect of *Phellodendron amurense Rupr.* stem bark extract, **Notulae Botanicae Horti Agrobotanici Cluj-Napoca** 51(3) (2023) 13306-13306. Q3-4
82. Augustin C. Mot, Cezara Zăgrean-Tuza, Costel Sârbu*, Fuzzy discriminant analysis of medicinal plant extracts according to their total content of phytochemicals and the antioxidant capacity, **Studia Universitatis Babeș-Bolyai Chemia** 68(3) (2023) 19-34. Q3-4
81. Ioana-Georgeta Grosu[#], Augustin C. Mot[#], Xenia Filip, Claudiu Filip*, What is wrong with hyaluronic acid chemistry? A 15N/13C Solid-State NMR Re-Evaluation of Its Dopamine Conjugates, **Polymers** 15(13) (2023) 2825. Q1
80. Ioana Andreea Barbu, Alexandra Ciorîță, Rahela Carpa*, Augustin C. Mot, Anca Butiuc-Keul, Marcel Pârvu, Phytochemical characterization and antimicrobial activity of several *Allium* extracts, **Molecules** 28(10) (2023) 3980. Q2
79. Mariann-Kinga Arkosi, Augustin C. Mot, Iulia Lupan, Miruna Georgiana Ghinia Tegla, Radu Silaghi-Dumitrescu*, Selective attachment of polyethylene glycol to hemerythrin for potential use in blood substitutes, **The Protein Journal** 42 (2023) 374–382. Q3-4

78. Bogdan Bosca, Augustin C. Moț*, Novel simultaneous determination of alliin and alliin in *Allium sp.* using digital subtraction HPTLC, **Journal of Chromatography B** 1222 (2023) 123700. **Q2**
77. Anca E. Anghel, Ibolya Balazs, Augustin C. Moț*, Conventional versus Extended Standard Addition Method: Determination of capsaicinoids in topical creams by high-performance liquid chromatography – diode array detection (HPLC-DAD), **Analytical Letters** 56(2) (2023) 200-2015. **Q3-4**
76. Violeta Florina Scurtu, Doina Clapa, Loredana Florina Leopold, Floricuța Ranga, Ștefania D Iancu, Adrian Ionuț Cadiș, Vasile Coman, Sonia Ancuța Socaci, Augustin C. Moț, Cristina Coman*, Gadolinium accumulation and toxicity on *in vitro* grown *Stevia rebaudiana*: A case-study on gadobutrol, **International Journal of Molecular Sciences**, 23 (2022) 11368. **Q1**
75. Bogdan M. Bosca, Augustin C. Moț*, Chromatographic determination of total selenium in biofortified *Allium sp.* following piaszelenol formation and micro-solid-phase extraction, **Molecules** 26 (2021) 6730. **Q2**
74. Teodora-Irina Adam-Bonci, Eduard-Alexandru Bonci*, Alina-Elena Pârvu, Andrei-Ioan Herdean, Augustin C. Moț, Marian Taulescu, Andrei Ungur, Raluca-Maria Pop, Corina Bocșan, Alexandru Irimie, Vitamin D supplementation: Oxidative stress modulation in a mouse model of ovalbumin-induced acute asthmatic airway inflammation, **International Journal of Molecular Sciences**, 22 (2021) 7089. **Q1**
73. Bogdan M Boșca, Augustin C. Moț*, Development of a non-destructive method for determination of pH of paper artifacts using diffuse reflectance spectroscopy and regression analysis, **Studia Universitatis Babeș-Bolyai, Chemia**, 66 (2021) 127-136. **Q3-4**
72. Alexandra Ciorîță*, Cezara Zăgrean-Tuza, Augustin C. Moț, Rahela Carpa, Marcel Pârvu, The phytochemical analysis of *Vinca L.* species leaf extracts is correlated with the antioxidant, antibacterial, and antitumor effects, **Molecules**, 26 (2021) 3040-3061. **Q2**
71. Lucia Chirita, Eniko Covaci, Augustin C. Moț, Michaela Ponta, Alexandra Gandeia, Tiberiu Frentiu*, Determination of selenium in food and environmental samples by hydride generation high-resolution continuum source quartz furnace atomic absorption spectrometry, **Journal of Analytical Atomic Spectrometry**, 36 (2021) 267-272. **Q1**
70. Valentin Florian Rauca, Laura Patras, Lavinia Luput, Emilia Licarete, Vlad Alexandru Toma, Alina Porfire, Augustin C. Moț, Elena Rakosy-Tican, Alina Sesarman*, Manuela Banciu, Remodeling tumor microenvironment by liposomal co-delivery of DMXAA and simvastatin inhibits malignant melanoma progression, **Scientific Reports**, 11 (2021) 1-15. **Q1**
69. Adrian Bogdan Țigu*, Cristian Silviu Moldovan, Vlad-Alexandru Toma, Anca Daniela Farcaș, Augustin C. Moț, Ancuța Jurj, Eva Fischer-Fodor, Cristina Mircea, Marcel Pârvu*, Phytochemical analysis and *in vitro* effects of *Allium fistulosum L.* and *Allium sativum L.* extracts on human normal and tumor cell lines: A comparative study, **Molecules**, 26 (2021) 574. **Q2**
68. Eugen Claudiu Jurco, Grigore Onaciu, Sorin Suciuc, Ancuta Nadia Jurco*, Augustin C. Moț, Simona Gabriela Jurco, Prewaning growth performances of Aberdeen Angus calves, **Romanian Biotechnological Letters** 25 (2020) 1969-1976. **Q3-4**

67. Alexandrina Guidea, Augustin C. Moț, Costel Sârbu*, Comprehensive assessment of antioxidant and chelating capacity of some biogenic amines and related drugs, **Studia Universitatis Babes-Bolyai, Chemia**, 65 (2020) 101-117. Q3-4
66. Alexandrina Guidea, Cezara Zăgorean-Tuza, Augustin C. Moț*, Costel Sârbu, Comprehensive evaluation of radical scavenging, reducing power and chelating capacity of free proteinogenic amino acids using spectroscopic assays and multivariate exploratory techniques, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 233 (2020) 118158. Q1
65. Anca D Farcaș, Cezara Zăgorean-Tuza, Laurian Vlase, Ana Gheldiu, Marcel Parvu, Augustin C. Moț*, EPR fingerprinting and antioxidant response of four selected *Plantago* species, **Studia Universitatis Babes-Bolyai, Chemia**, 65 (2020) 209-220. Q3-4
64. Maria Lehene, Eva Fischer-Fodor, Florina Scurtu, Niculina D Hădade, Emese Gal, Augustin C. Moț, Alina Matei, Radu Silaghi-Dumitrescu*, excess ascorbate is a chemical stress agent against proteins and cells, **Pharmaceuticals**, 13 (2020) 107. Q1
63. Vasile Surducan, Emanoil Surducan, Camelia Neamtu, Augustin C. Moț, Alexandra Ciorîță*, effects of long-term exposure to low-power 915 MHz unmodulated radiation on *Phaseolus vulgaris L.*, **Bioelectromagnetics**, 41 (2020) 200-212. Q2
62. Augustin C. Moț*, Cristina Coman, Niculina Hadade, Grigore Damian, Radu Silaghi-Dumitrescu, Hendrik Heering, “Yellow” laccase from *Sclerotinia sclerotiorum* is a blue laccase that enhances its substrate affinity by forming a reversible tyrosyl-product adduct, **PloS one**, 15 (2020) e0225530. Q2
61. Ileana M Simion, Augustin C. Moț, Costel Sârbu*, Finding specific peaks (markers) using fuzzy divisive hierarchical associative-clustering based on the chromatographic profiles of medicinal plant extracts obtained at various wavelengths, **Analytical Methods**, 12 (2020) 3260-3267. Q2
60. Cezara Zagorean-Tuza, Augustin C. Moț*, Tomasz Chmiel*, Attila Bende, Ioan Turcu*, Sugar matters: Sugar moieties as reactivity-tuning factors in quercetin O-glycosides, **Food & Function**, 11 (2020) 5293-5307. Q1
59. Ileana M Simion, Augustin C. Moț, Radu D Găceanu, Horia F Pop, Costel Sârbu*, Characterization and classification of medicinal plant extracts according to their antioxidant activity using high-performance liquid chromatography and multivariate analysis, **Studia Universitatis Babes-Bolyai, Chemia**, 65 (2020) 71-82. Q3-4
58. Adrian Bogdan Țigu, Vlad-Alexandru Toma, Augustin C. Moț, Ancuța Jurj, Cristian Silviu Moldovan, Eva Fischer-Fodor, Ioana Berindan-Neagoe, Marcel Pârnu*, The synergistic antitumor effect of 5-fluorouracil combined with allicin against lung and colorectal carcinoma cells, **Molecules**, 25 (2020) 1947. Q2
57. Eniko Covaci, Marin Senila, Loredana Florina Leopold, Neli-Kinga Olah, Codruta Cobzac, Violeta Ivanova-Petropulos, Biljana Balabanova, Oana Cadar, Anca Becze, Michaela Ponta, Augustin C. Moț, Tiberiu Frentiu*, Characterization of *Lycium barbarum L.* berry cultivated in North Macedonia: A chemometric approach, **Journal of Berry Research**, 10 (2020) 223-241. Q2
56. Olga Hilda Orasan*, Flaviu Muresan, Augustin C. Moț, Adela Sitar Taut, Iulia Minciuna, Sorina Cezara Coste, Vasile Negrean, Remus Aurel Orasan, Angela Cozma,

Hemodialysis patients with pruritus and insomnia have increased risk of death, **Blood purification**, 49 (2020) 419-425. Q3-4

55. Cezara Zagrean-Tuza, Sorin Dorneanu, Augustin C. Moț*, The strange case of polyphenols inhibiting the Briggs-Rauscher reaction: pH-modulated reactivity of the superoxide radical, **Free Radical Biology and Medicine**, 146 (2020) 189-197. Q1

54. Anca D Farcaș, Augustin C. Moț*, Cezara Zagrean-Tuza, Madalina Ticolea, Bogdan Sevastre, Muhittin Kulak, Radu Silaghi-Dumitrescu, Alina Parvu, Remarkable rutin-rich *Hypericum capitatum* extract exhibits anti-inflammatory effects on turpentine oil-induced inflammation in rats, **BMC complementary and alternative medicine**, 19 (2019) 1-13. Q1

53. Anca D Farcaș, Augustin C. Moț*, Alina E Pârvu, Vlad Al Toma, Mirela A Popa, Maria C Mihai, Bogdan Sevastre, Ioana Roman, Laurian Vlase, Marcel Pârvu, in vivo pharmacological and anti-inflammatory evaluation of xerophyte *Plantago sempervirens* Crantz, **Oxidative medicine and cellular longevity**, 2019 (2019) 1-13. Q2

52. Augustin C. Moț*, Cristina Puscas, Sorin Aurel Dorneanu, Radu Silaghi-Dumitrescu*, EPR detection of sulfanyl radical during sulfhemoglobin formation–influence of catalase, **Free Radical Biology and Medicine**, 137 (2019) 110-115. Q1

51. Marcel Pârvu*, Augustin C. Moț, Alina E Pârvu, Cristina Mircea, Leander Stoeber, Oana Roșca-Casian, Adrian B Țigu, *Allium sativum* extract chemical composition, antioxidant activity and antifungal effect against *Meyerozyma guilliermondii* and *Rhodotorula mucilaginosa* causing onychomycosis, **Molecules**, 24 (2019) 3958. Q2

50. Alina-Mariana Crainic, Augustin C. Moț, Radu Silaghi-Dumitrescu*, Isolation, purification and characterization of ascorbate oxidase and peroxidase from *Cucurbita pepo medullosa*, **Studia Universitatis Babeș-Bolyai Chemia**, 64 (2019) 49-60. Q3-4

49. Augustin C. Moț*, Cristina Puscas, Patricia Miclea, Galaba Naumova-Letia, Sorin Dorneanu, Dorina Podar, Nico Dissmeyer, Radu Silaghi-Dumitrescu*, Redox control and autoxidation of class 1, 2 and 3 phytoalbumins from *Arabidopsis thaliana*, **Scientific Reports**, 8, (2018), e113714. Q1

48. Augustin C. Moț, Cristina Bischin, Grigore Damian, Amr A. A. Attia, Emese Gal, Nicoleta Dina, Nicolae Leopold, Radu Silaghi-Dumitrescu*, Fe(III) – Sulfide interaction in globins: Characterization and quest for a putative Fe(IV)-sulfide species, **Journal of Inorganic Biochemistry**, 179 (2018) 32-39. Q1

47. Augustin C. Moț, Erik Prell, Maria Klecker, Christin Naumann, Frederik Faden, Bernhard Westermann, Nico Dissmeyer*, Real-time detection of N-end rule-mediated ubiquitination via fluorescently labeled substrate probes, **New Phytologist**, 217 (2018) 613-624. Q1

46. Anca D. Farcaș, Augustin C. Moț*, Cezara Zagrean-Tuza, Vlad Toma, Claudia Cimpoi, Anamaria Hosu, Marcel Parvu, Ioana Roman*, Radu Silaghi-Dumitrescu, Chemo-mapping and biochemical-modulatory and antioxidant/prooxidant effect of *Galium verum* extract during acute restraint and dark stress in female rats, **PlosOne**, (2018), e0200022. Q2

45. Denisa Hathazi, Florina Scurtu, Cristina Bischin, Augustin C. Moț, Amr A. A. Attia, Jacob Kongsted, Radu Silaghi-Dumitrescu*, The reaction of oxy hemoglobin with

nitrite: Mechanism, antioxidant-modulated effect, and implications for blood substitute evaluation, **Molecules**, 23 (2018), e350. Q2

44. Sanja Kostadinovic Velickovska*, Augustin C. Moț, Sasa Mitrev Rubin Gulaboski, Ludger Bruhl, Hamed Mirhosseini, Radu Silaghi-Dumitrescu, Bertrand Matthaus, Bioactive compounds and *in vitro* antioxidant activity of some traditional and non-traditional cold-pressed edible oils from Macedonia, **Journal of Food Science and Technology**, 55 (2018) 1614–1623. Q2

43. Cristina Puscas, Luana Radu, Francisco Carrascoza, Augustin C. Moț, Diana Amariei, Oana Lungu, Florina Scurtu, Paula Podea, Raluca Septelean, Alina Matei, Mihaela Mic, Amr. A. Attia, Radu Silaghi-Dumitrescu*, The high affinity of small-molecule antioxidants for hemoglobin, **Free Radical Biology and Medicine**, 124 (2018) 260-274. Q1

42. Andra-Diana Andreicut, Alina Elena Pârvu*, Augustin C. Moț, Marcel Pârvu, Eva Fischer Fodor, Adriana Florinela Cătoi, Vasile Feldrihan, Mihai Cecan, Alexandru Irimie, Phytochemical analysis of anti-inflammatory and antioxidant effects of *Mahonia aquifolium* flower and fruit extracts, **Oxidative Medicine and Cellular Longevity**, (2018), e2879793. Q2

41. Andra-Diana Andreicuț, Alina Elena Pârvu*, Augustin C. Moț, Marcel Pârvu, Eva Fischer-Fodor, Vasile Feldrihan, Adriana Florinela Cătoi, Mihai Cecan, Alexandru Irimie, Anti-inflammatory and antioxidant effects of *Mahonia aquifolium* leaves and bark extracts, **Farmacia** 66 (2018) 49-58. Q3-4

40. Daniela Hanganu, Daniela Benedec*, Laurian Vlase, Neli Olah, Grigore Damian, Radu Silaghi-Dumitrescu, Augustin C. Moț, Claudia Crina Toma, Polyphenolic profile and antioxidant and antibacterial activities from two *Trifolium species*, **Farmacia**, 65 (2017) 449-453. Q3-4

39. Cristina Bischin, Augustin C. Moț, Andrei Stefancu Nicolae Leopold Denisa Hathazi, Grigore Damian Radu Silaghi-Dumitrescu*, Chlorite reactivity with myoglobin: Analogy with peroxide and nitrite chemistry?, **Journal of Inorganic Biochemistry**, 172 (2017) 122-128. Q1

38. Augustin C. Moț, Parvu Marcel*, Parvu Alina, Rosca-Casian Oana, Dina Nicoleta, Leopold Nicolae, Silaghi-Dumitrescu Radu, Mircea Cristina, Reversible naftifine-induced carotenoid depigmentation in *Rhodotorula mucilaginosa* (A. Jörg.) F.C. Harrison causing onychomycosis, **Scientific Reports**, 7 (2017) e11125. Q1

37. Galaba Naumova-Letia, Augustin C. Moț*, Probing reducing power for ferryl phyto-globins of several phenolic compounds using their kinetic profiles assisted by chemometric methods, **Studia Universitatis Babes-Bolyai Chemia** 62 (2017) 49-66. Q3-4

36. Paulo T. Mioto*, Marta R. Ruiz, Augustin C. Moț, Rafael Zuccarelli, Francisco J. Corpas, Luciano Freschi, Helenice Mercier, Alternative fluorimetric-based method to detect and quantify total S-nitrosothiols in plants, **Nitric oxide–Biology and Chemistry**, 68 (2017) 7-13. Q1

35. Bernadett Porteka, Augustin C. Moț, Claudia Cimpoi, Anamaria Hosu, Cristina Bischin, Grigore Damian, Eva Fisher-Fodor, Radu, Silaghi-Dumitrescu*, Selective protective effect of antioxidant-rich *Rumex acetosa* extracts, **Revista de Chimie** 67 (2016) 833-837. Q3-4

34. Augustin C. Moț, Cristina Bischin*, Bianca Muresan, Marcel Parvu, Grigore Damian, Laurian Vlase, Radu Silaghi-Dumitrescu, Antioxidant activity evaluation by physiologically relevant assays based on haemoglobin peroxidase activity and cytochrome c-induced oxidation of liposomes, **Natural Product Research** 30 (2016) 1315-1318. **Q2**
33. Radu Tamaian, Augustin C. Moț*, Radu Silaghi-Dumitrescu, I. Ionuț, A. Stana, O. Oniga, C. Nastasa, D. Benedec, Brandusa Tiperciuc, Study of the relationships between the structure, lipophilicity and biological activity of some thiazolyl-carbonyl-thiosemicarbazides and thiazolyl-azoles, **Molecules** 20 (2015) 22188-22201. **Q2**
32. Aniela Saplontai-Pop*, Augustin C. Moț*, Marioara Moldovan, Radu Oprean, Radu Silaghi-Dumitrescu, Olga Orășan, Marcel Pârvu, Emese Gal, Corina Ionescu, Testing antiplatelet and antioxidant activity of the extract of seven varieties of *Allium cepa* L., **Open Life Sciences** 10 (2015) 89-98. **Q3-4**
31. Denisa Hathazi, Augustin C. Moț, Anetta Vaida, Florina Scurtu, Iulia Lupan, Eva Fischer-Fodor, Grigore Damian, Donald M. Kurtz, Radu Silaghi-Dumitrescu*, Oxidative protection of hemoglobin and hemerythrin by cross-linking with a nonheme iron peroxidase: Potentially improved oxygen carriers for use in blood substitutes, **Biomacromolecules** 15 (2014) 1920-1927. **Q1**
30. Alina Parvu*, Marcel Parvu, Laurian Vlase, Patricia Miclea, Augustin C. Moț, Radu Silaghi-Dumitrescu, Anti-inflammatory effects of *Allium schoenoprasum* L. leaves., **Journal of Physiology and Pharmacology** 65 (2014) 309-315. **Q2**
29. Laurian Vlase, Daniela Benedec*, Daniela Hanganu*, Grigore Damian, Ioan Csillag, Bogdan Sevastre, Augustin C. Moț, Radu Silaghi-Dumitrescu, Ioan Tilea, Evaluation of antioxidant and antimicrobial activities and phenolic profile for *Hyssopus officinalis*, *Ocimum basilicum* and *Teucrium chamaedrys*, **Molecules** 19 (2014) 5490-5507. **Q2**
28. Daniela Benedec, Iliora Oniga, Bianca Muresan, Augustin C. Moț, Grigore Damian, Adriana Nistor, Radu Silaghi-Dumitrescu*, Daniela Hanganu, Mihaela Duma, Laurian Vlase, Contrast between water- and ethanol-based antioxidant assays: Aspen (*Populus tremula*) and black poplar (*Populus nigra*) extracts as a case study, **Journal of Food Quality** 37 (2014) 259-267. **Q3-4**
27. Istvan M. Takacs, Augustin C. Moț, Radu Silaghi-Dumitrescu, Grigore Damian*, EPR investigation of libration motion of spin labeled hemerythrin, **Journal of Molecular Structure** 1073 (2014) 18-23. **Q3-4**
26. Augustin C. Moț*, Cristina Coman, Carmen Miron, Grigore Damian, Costel Sarbu, Radu Silaghi-Dumitrescu*, An assay for pro-oxidant reactivity based on phenoxyl radicals generated by laccase, **Food Chemistry** 143 (2014) 214-222. **Q1**
25. Florina Violeta Scurtu, Augustin C. Moț, Radu Silaghi-Dumitrescu*, Protein-Based Blood Substitutes: Recent Attempts at Controlling Pro-Oxidant Reactivity with and Beyond Hemoglobin. **Pharmaceuticals** 6 (2013) 867-880. **Q1**
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