

## FIȘĂ DE AUTOEVALUARE

în conformitate cu prevederile fișei de evaluare generală a standardelor Universității

## ANEXA 1

CRIT.	DESCRIPTORI	PUNCTAJ
ACTIVITATEA DE CERCETARE ȘI DIDACTICĂ	1. Articole științifice publicate în extenso în reviste cotate Web of Science cu factor de impact	319,83
	2. Articole științifice publicate în extenso în reviste indexate fără factor de impact	0
	3. Articole științifice publicate în extenso în reviste indexate BDI	0
	4. Articole științifice publicate în extenso în volumele conferințelor	0
	5. Cărți științifice publicate (doar prima ediție)	0
	6. Cărți științifice traduse și publicate în edituri din străinătate	0
	7. Coordonarea și editarea de volume, traduceri și antologii	0
	8. Articole publicate în dicționare și enciclopedii	0
	9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	78,45
	10. Contracte de cercetare în mediul de afaceri și sectorul public	0
	11. Brevete	0
	12. Citări și recenzii ale creației de autor	366,31
	13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)	0
	14. Profesor/cercetător invitat la universități/institute de cercetare	0
	15. Editor, membru în Editorial Board la reviste și edituri recunoscute	0
	16. Premii internaționale obținute printr-un proces de selecție	0
	17. Premii ale Academiei Române	0
	18. Alte premii naționale ale instituțiilor culturale	12,86
	19. Participări la manifestări științifice	176
	<b>CERCETARE</b>	<b>953,45</b>
	1. Tratate și manuale universitare	
	2. Proiecte didactice (înființare/dotare laboratoare licență, master, săli workshop, biblioteci proprii facultăților, departamentelor, laboratoarelor și grupurilor de cercetare)	0
	3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	0
	4. Organizare de aplicații și practică de specialitate	0
	<b>DIDACTIC</b>	<b>0</b>
<b>TOTAL</b>		<b>953,45</b>

## LISTĂ DETALIATĂ

## ACTIVITATEA DE CERCETARE

Total CERCETARE: **953,45** puncte

## 1. Articole științifice publicate în extenso în reviste cotate Web of Science cu factor de impact

Total: **319,83** puncte

1. Marin S.L., G. Mardare (Balusescu), M. Paduraru, C. Roman, I. Sandu, R.I. Olariu, C. Arsene, V. Vasilache, Implicarea Tehnicilor de Microscopie Optica si Electronica in Autentificarea Obiectelor Numismatice, Revista Materiale Plastice, vol. 68, nr.9/2017. (60x1,41+25)/8= **13,70**
2. Roman T., R-L. Asavei, N. Karkalos, C. Roman, C. Vîrlan et al, Synthesis and adsorption properties of nanocrystalline ferrites for kinetic modeling development, International Journal of Applied Ceramic Technology, DOI: 10.1111/ijac.13091. (60x1,76+25)/12= **10,88**
3. Roman C., Roman T., Arsene C., Bejan I.G., Olariu R.-I., Gas-phase IR cross-sections and single crystal structures data for atmospheric relevant nitrocatechols, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 256, 120379, <https://doi.org/10.1016/j.saa.2021.120379>, 2022. (60x4,10+25)/5= **54,20**
4. Roman, C., Arsene, C., Bejan, I. G., and Olariu, R.-I., Investigations into the gas-phase photolysis and OH radical kinetics of nitrocatechols: Implications of intramolecular interactions on their atmospheric behavior, Atmospheric Chemistry and Physics, 22, 2203–2219, <https://doi.org/10.5194/acp-22-2203-2022>, 2022. (60x6,30+25)/4= **100,75**
5. Grira, A., Amarandei, C., Roman, C., Bejaoui, O., Aloui, N., El Dib, G., Arsene, C., Bejan, I. G., Olariu, R. I., Canosa, A., and Tomas, A.: Gas-phase ozone reaction kinetics of C5 –C8 unsaturated alcohols of biogenic interest, Journal of Physical Chemistry A, 126, 4413, <https://doi.org/10.1021/acs.jpca.2c02805>, 2022. (60x2,90+25)/11= **18,09**
6. Mapelli, C., Schleicher, J. V, Hawtin, A., Rankine, C. D., Whiting, F. C., Byrne, F., McElroy, C. R., Roman, C., Arsene, C., Olariu, R. I., Bejan, I. G., Dillon, T. J., Atmospheric Breakdown Chemistry of the New “Green” Solvent 2,2,5,5-Tetramethyloxolane via Gas-Phase Reactions with OH and Cl Radicals. Atmospheric Chemistry and Physics, 22, 14589–14602, <https://doi.org/10.5194/acp-22-14589-2022>, 2022. (60x6,30+25)/12= **33,58**
7. Arsene, C., G. Bejan, I., Roman, C., I. Olariu, R., Minella, M., Passananti, M., Carena, L., and Vione, D., Evaluation of the environmental fate of a semivolatile transformation product of ibuprofen based on a simple two-media fate model, Environmental Science & Technology, 56 (22), 15650-15660, <https://doi.org/10.1021/acs.est.2c04867>, 2022. (60x11,4+25)/8= **88,63**

## 9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)

TOTAL: **78,45** puncte

1. Membru în proiectul de cercetare științifică “Dezvoltarea și validarea unei camere de reacție cu temperatură controlată pentru studiul mecanismelor și proceselor de oxidare din atmosferă” (DEV-TREC), contract de finanțare nr. 78PED/03/01/2017, post A.C.S., poziția 4 (valoare totală 600.000 lei). 600000/500000\*50/6= **10**
2. Membru în proiectul de cercetare științifică “Ozonoliza ca sursa de formare a aerosolilor organici secundari. Investigatii de laborator intr-o camera de simulare a atmosferei” (OLFA-ROA), contract de finanțare nr. 38/2017, post Doctorand, poziția 5 (valoare totală 850.000 lei). 850000/500000\*50/6= **14,16**
3. Membru în proiectul de cercetare științifică “Investigații asupra chimiei atmosferice a hidrocarburilor oxigenate ciclice” (IGAC-CYCLO) PN-III-P4-ID-PCE-2016-0807, contract 1000000/500000\*50/7

de finanțare nr. 118/2017, post Doctorand, poziția 4 (valoare totală 1.000.000 lei). =14,29

4. Membru în proiectul de cercetare științifică "Fotoliza compusilor nitroaromatici: o noua sursă de formare a HONO și aerosoli organici secundari în atmosferă" (PHONIC-HONO-SOA) PN-III-P2-2.1-PED-2019-4972 nr. 444PED/2020, post Asistent de Cercetare Științifică, (valoare totală 600.000 lei). 600000/500000\*60/6=10

5. Membru în proiectul de cercetare științifică "Studiul degradării atmosferice a unor solvenți organici curați" (ATMO-SOS) PN-III-P4-ID-PCE-2021-0673, post Asistent de Cercetare Științifică, (valoare totală 1.200.000 lei) 120/6=20

6. Membru în proiectul de cercetare științifică "Investigarea aerosolilor organici secundari într-un tub laminar de reacție nou construit" (SOA-REACTOR) PN-III-P2-2.1-PED-2021-4119, post Asistent de Cercetare Științifică, (valoare totală 600.000 lei) 60/6=10

## 12. Citări și recenzii ale creației de autor

Total: **366,31** puncte

**Lucrarea:** Marin S.L., G. Mardare (Balusescu), M. Paduraru, [C. Roman](#), I. Sandu, R.I. Olariu, C. Arsene, V. Vasilache, Implicarea Tehnicilor de Microscopie Optica și Electronica în Autentificarea Obiectelor Numismatice, Revista Materiale Plastice, vol. 68, nr.9/2017 (nr. Autori = 8).

**TOTAL: 1 citări – 1,93 puncte**

1. Viljus A., Viljus M., Coin hoard from Varudi - Vanaküla. Questions and answers in conservation, International Journal of Conservation Science, vol. 8(4), p. 599, 2017, FI = 1,05 (5+10\*1,05)/8= 1,93

**Lucrarea:** [Roman, T.](#), Asavei, R.L., Karkalos, N.E., Roman, C., Virlan, C., Cimpoesu, N., Istrate, B., Zaharia, M., Markopoulos, A.P., Kordatos, K., Stanciu, S., Pui, A., Synthesis and adsorption properties of nanocrystalline ferrites for kinetic modeling development, International Journal of Applied Ceramic Technology 16 693–705, 2019. doi:10.1111/ijac.13091 (nr. autori = 12)

**TOTAL: > 9 citări - 57,26 puncte**

1. Roman, T, Gherca, D, Borhan, Al, et al., Nanostructured quaternary  $Ni_{1-x}Cu_xFe_{2-y}Ce_yO_4$  complex system: Cerium content and copper substitution dependence of cation distribution and magnetic-electric properties in spinel ferrites, **CERAMICS INTERNATIONAL**, 47 (13) 18177-18187, 2021, FI = 4,527 (10+20x4,527)/12 = 8,37

2. Himakar, P, Murali, N, Parajuli, D, et al., Magnetic and DC Electrical Properties of Cu Doped Co-Zn Nanoferrites, **JOURNAL OF ELECTRONIC MATERIALS**, 50 (SI 6) 3249-3257, 2021, FI = 1,938 (10+20x1,938)/12 = 4,06

3. Buema, G, Borhan, Al, Herea, DD, et al., Magnetic Solid-Phase Extraction of Cadmium Ions by Hybrid Self-Assembled Multicore Type Nanobeads, **POLYMERS**, 13 (2) 229, 2021, FI = 4,329 (10+20x4,329)/12 = 8,04

4. Liu M, Li Y, Wang Z, Liu RJ, Fabrication of Magnesium Ferrites for Enormous Adsorbance of Neutral Red and Their Electrochemical Properties, **JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY**, 20 (12) 7601-7609, 2020, FI = 0,000 (10+20x0,000)/12 = 0,83

5. Mercy SJ, Murali N, et al., Microstructural, thermal, electrical and magnetic analysis of Mg(2+) substituted Cobalt ferrite, **APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING**, 126 (11) 873, 2020, FI = 2,584 (10+20x2,584)/12 = 5,14

6. Buema, G., Lupu, N., et al., Eco-Friendly materials obtained by fly ash sulphuric activation for cadmium ions removal, **MATERIALS**, 13 (16) 3584, 2020, FI = 3,623 (10+20x3,623)/12 = 6,87

7. Qamar S, Akhtar MN, et al., Structural and magnetic features of Ce doped Co- (10+20x

Cu-Zn spinel nanoferrites prepared using sol gel self-ignition method, **CERAMICS INTERNATIONAL**, 46 (10) 14481-14487, **2020**, FI = **4,527** 4,527/12 = **8,37**

8. Li Y, Pan S, et al., Adsorption mechanism and electrochemical performance of methyl blue onto magnetic Ni(1-x-y)Co<sub>y</sub>Zn<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub> nanoparticles prepared via the rapid-combustion process, **CERAMICS INTERNATIONAL**, 46 (3) 3614-3622, **2020**, FI = **4,527** (10+20x 4,527)/12 = **8,37**

9. Roman, T., Pui, A., Lukacs, A.V., Cimpoesu, N., Lupescu, S., Borhan, A.I., Kordatos, K., Ntziouni, A., Postolache, P., Zaharia, M., Stanciu, S., Mitoşeriu, L., Structural changes of cerium doped copper ferrites during sintering process and magneto-electrical properties assessment, **CERAMICS INTERNATIONAL** 45 17243-17251, **2019**, FI = **3,830** (10+20x 3,830)/12 = **7,21**

**Lucrarea:** Roman, C., Roman T., Arsene C., Bejan I.G., Olariu R.-I., Gas-phase IR cross-sections and single crystal structures data for atmospheric relevant nitrocatechols, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 256, 120379, <https://doi.org/10.1016/j.saa.2021.120379>, 2022 (nr. autori = 5)

**TOTAL: 1 citare – 27,2 puncte**

1. Roman, C., Arsene, C., Bejan, I. G., and Olariu, R.-I., Investigations into the gas-phase photolysis and OH radical kinetics of nitrocatechols: Implications of intramolecular interactions on their atmospheric behavior, Atmospheric Chemistry and Physics, 22, 2203–2219, <https://doi.org/10.5194/acp-22-2203-2022>, **2022**, IF= **6,3**. (10+20x 6,3)/5 = **27,2**

**Lucrarea:** Roman, C., Arsene, C., Bejan, I. G., and Olariu, R.-I., Investigations into the gas-phase photolysis and OH radical kinetics of nitrocatechols: Implications of intramolecular interactions on their atmospheric behavior, Atmospheric Chemistry and Physics, 22, 2203–2219, <https://doi.org/10.5194/acp-22-2203-2022>, **2022**, (nr. autori = 4)

**TOTAL: 5 citări – 164,0 puncte**

1. Wang et al., Co-photolysis of mixed chromophores affects atmospheric lifetimes of brown carbon, ENVIRONMENTAL SCIENCE-ATMOSPHERES, 3 (8), 1145, 10.1039/d3ea00073g, **2023**, IF = **3,4**. (10+20x 3,4)/4 = **19,5**
2. Mapelli et al., Atmospheric breakdown chemistry of the new "green" solvent 2,2,5,5-tetramethyloxolane via gas-phase reactions with OH and Cl radicals, ATMOSPHERIC CHEMISTRY AND PHYSICS, 22, 14589, 10.5194/acp-22-14589-2022, **2022**, IF = **6,3**. (10+20x 6,3)/4 = **34,0**
3. Arsene et al., Evaluation of the Environmental Fate of a Semivolatile Transformation Product of Ibuprofen Based on a Simple Two-Media Fate Model, ENVIRONMENTAL SCIENCE & TECHNOLOGY, 56, 15650, 10.1021/acs.est.2c04867, **2022**, IF = **11,4**. (10+20x 11,4)/4 = **59,5**
4. Grira et al., Gas-Phase Ozone Reaction Kinetics of C5-C8 Unsaturated Alcohols of Biogenic Interest, JOURNAL OF PHYSICAL CHEMISTRY A, 126, 4413, 10.1021/acs.jpca.2c02805, **2022**, IF = **2,9**. (10+20x 2,9)/4 = **17,0**
5. Zeng et al., Characteristics and evolution of brown carbon in western United States wildfires, ATMOSPHERIC CHEMISTRY AND PHYSICS, 22, 8009, 10.5194/acp-22-8009-2022, **2022**, IF = **6,3**. (10+20x 6,3)/4 = **34,0**

**Lucrarea:** Arsene, C., G. Bejan, I., Roman, C., I. Olariu, R., Minella, M., Passananti, M., Carena, L., and Vione, D., Evaluation of the environmental fate of a semivolatile transformation product of ibuprofen based on a simple two-media fate model, Environmental Science & Technology, 56 (22), 15650-15660, <https://doi.org/10.1021/acs.est.2c04867>, 2022 (nr. autori = 8)

**TOTAL: 3 citări – 77,5 puncte**

1. Vione et al., Possible Effects of Changes in Carbonate Concentration and River Flow Rate on Photochemical Reactions in Temperate Aquatic Environments, *MOLECULES*, 28 (20), 10.3390/molecules28207072, **2023**, IF = **4,6**. (10+20x 4,6)/8 = **12,75**
2. Xiao et al., The overlooked carbonate radical in micropollutant degradation: An insight into hydration interaction, *CHEMICAL ENGINEERING JOURNAL*, 474, 10.1016/j.cej.2023.145245, **2023**, IF = **15,1**. (10+20x 15,1)/8 = **39,0**
3. Fabbri et al., Assessing the photodegradation potential of compounds derived from the photoinduced weathering of polystyrene in water, *SCIENCE OF THE TOTAL ENVIRONMENT*, 876, 10.1016/j.scitotenv.2023.162729, **2023**, IF = **9,8**. (10+20x 9,8)/8 = **25,75**

**Lucrarea:** Grira, A., Amarandei, C., Roman, C., Bejaoui, O., Aloui, N., El Dib, G., Arsene, C., Bejan, I. G., Olariu, R. I., Canosa, A., and Tomas, A.: Gas-phase ozone reaction kinetics of C5 –C8 unsaturated alcohols of biogenic interest, *Journal of Physical Chemistry A*, 126, 4413, <https://doi.org/10.1021/acs.jpca.2c02805>, 2022 (nr. autori = 11)

**TOTAL: 2 citări – 27,09 puncte**

1. Burkholder, J.B., Orlando, J.J., Advances in Atmospheric Chemical and Physical Processes, *JOURNAL OF PHYSICAL CHEMISTRY A*, 127, 561, 10.1021/acs.jpca.2c08865, **2023**, IF = **2,9**. (10+20x 2,9)/11 = **6,18**
2. Sun et. al., Unimolecular Reactions of E-Glycolaldehyde Oxide and Its Reactions with One and Two Water Molecules, *RESEARCH*, 6, 10.34133/research.0143, **2023**, IF = **11,0**. (10+20x 2,9)/11 = **20,91**

**Lucrarea:** Mapelli, C., Schleicher, J. V., Hawtin, A., Rankine, C. D., Whiting, F. C., Byrne, F., McElroy, C. R., Roman, C., Arsene, C., Olariu, R. I., Bejan, I. G., Dillon, T. J., Atmospheric Breakdown Chemistry of the New "Green" Solvent 2,2,5,5-Tetramethyloxolane via Gas-Phase Reactions with OH and Cl Radicals. *Atmospheric Chemistry and Physics*, 22, 14589–14602, <https://doi.org/10.5194/acp-22-14589-2022>, 2022 (nr. autori = 12)

**TOTAL: 1 citare – 11,33 puncte**

1. Mapelli et al., Atmospheric oxidation of new "green" solvents - Part 2: methyl pivalate and pinacolone, *ATMOSPHERIC CHEMISTRY AND PHYSICS*, 23(13), 7767, 10.5194/acp-23-7767-2023, **2023**, IF = **6,3**. (10+20x 6,3)/12 = **11,33**

**18. Alte premii naționale ale instituțiilor culturale**

**Total: 12,86 puncte**

1. Premiul I pentru cel mai bun poster obținut la sesiunea de postere desfășurată în cadrul Zilelor Universității "Alexandru Ioan Cuza" din Iași, Facultatea de Chimie, 27-28 Octombrie 2016, Iași România. (Roman C., Bejan I., Olariu R.I., Arsene C., *Gas phase infrared absorption cross sections for a series of aromatic compounds in the ESC-Q-UAIC Chamber*) 20/4= **5**
2. Premiul II pentru cel mai bun poster obținut la sesiunea de postere desfășurată în cadrul Sesiunii de Comunicări Științifice pentru Studenți, Masteranzi și Doctoranzi (SCSSMD), Facultatea de Chimie, 30 iunie-1 iulie 2017, Iași, România (Roman C., I. Bejan, C. Arsene, R.I. Olariu, *Gas-Phase FT-IR Kinetic Study of the OH Radicals with Phenol*, SCSSMD). 20/4= **5**
3. Premiul II pentru cea mai bună prezentare obținută la Sesiunii de Comunicări Științifice pentru Studenți, Masteranzi și Doctoranzi (SCSSMD), Facultatea de Chimie, 29-30 iunie 2018, Iași, România (Roman C., Arsene C., Bejan I., Duncianu M., Tomas A., Riffault V., Olariu R.I., *Rate coefficient of gas-phase O<sub>3</sub> initiated oxidation of C5-C6 unsaturated*) 20/7= **2,86**

aldehydes)

# 19. Participări la manifestări științifice

Total: **176 (100+76) puncte**

## Alte lucrări și contribuții științifice

### Internaționale (10\*10 puncte)

1. Bejan I., S. L. Marin, [C. Roman](#), M. Duncianu, C. Arsene, R. I. Olariu, *Validation of a Newly Designed Simulation Chamber (ESC-Q-UAIC) Using Gas Phase Investigations on Aromatic Compounds*, 24th International Symposium on Gas Kinetics and Related Phenomena, 17-21 iulie **2016**, York, Anglia. 10
2. Olariu R.I., S. L. Marin, [C. Roman](#), I. G. Bejan, C. Arsene, *Gas-phase Kinetic Study of OH Radical Reactions with Selected Alkylaromatic Compounds*, ATMOCHEMBIO, 19-21 iunie 2017, Clermont-Ferrand, Franța. 10
3. [Roman C.](#), Arsene C., Bejan I., Olariu R.I., *Temperature dependence kinetic studies by using the newly thermostated ESC-Q-UAIC chamber*, The 25<sup>th</sup> International Symposium on Gas Kinetics and Related Phenomena, 22- 26 Iulie **2018**, Lille, Franța. 10
4. [Roman C.](#), Arsene C., Olariu R.I., Bejan I., *Gas phase kinetic study of the OH radical initiated oxidation of alkylfurans at atmospheric pressure and 298±2 K*, The 25<sup>th</sup> International Symposium on Gas Kinetics and Related Phenomena, 22- 26 Iulie **2018**, Lille, Franța. 10
5. [Roman C.](#), Arsene C., Olariu R.I., Bejan I., *Kinetic investigations of the OH-initiated oxidation of a series of alkylfurans at 298 K and atmospheric pressure*, The 6<sup>th</sup> Atmospheric Chemical Mechanisms Conference, 5-7 December, University of California, Davis, USA. 10
6. Olariu R.I., Arsene C., Bejan I., [Roman C.](#), Rusu A. M., Galon (Negru) G., *Secondary Organic Aerosols Formation from the Gas Phase OH Radical Reaction with Catechol under NOx Conditions*, EUROPEAN AEROSOL CONFERENCE - EAC 2019 25-30 August **2019** Gothenburg, Sweden. 10  
<https://eac2019.se/>
7. [Roman C.](#), Arsene C., Olariu R.I., Bejan I., *Gas phase kinetic study for a series of methylated furans with chlorine atoms in atmospheric conditions*, 11<sup>th</sup> International Conference on Chemical Kinetics (ICCK 2019) 23 -27 June **2019**, Orleans, France. 10  
<https://icck2019.sciencesconf.org/>
8. [Roman, C.](#), Amarandei, C., Negru, G., Arsene, C., Bejan, I.G., Jamar De Bolsee, M. Dusanter, S., Olariu, R.I., Tomas, A., *Atmospheric reactivity of ketolimonene: ozone kinetics, reaction products and SOA formation*, Goldschmidt 2023 Conference, Lyon, Franța, 9-14 iulie 2023. (Prezentare orală). 10
9. [Roman, C.](#), Negru, A.G., Amarandei, C., Arsene, C., Bejan, I.G., Vione, D., Olariu, R.I., *Atmospheric sink mechanism of 4-isobutylacetophenone, a toxic intermediate product from ibuprofen decomposition*, 18th International Conference on Chemistry and the Environment, Veneția, Italia, 11-15 iunie 2023. (Prezentare orală). 10
10. [Roman, C.](#), Movilă, L. G., Arsene, C., Olariu, R. I., Bejan, I. G., *Gas-phase kinetic investigations on the OH-radical initiated oxidation of selected nitrotoluenes*, The 26th International Symposium on Gas Kinetics and Related Phenomena, 28 August- 1 Septembrie 2022, Rennes, Franța. (Poster). 10

### Naționale (33\*2+2\*5 puncte)

11. [Roman C.](#), Bejan I., Olariu R.I., Arsene C., *Gas phase infrared absorption cross sections for a series of aromatic compounds in the ESC-Q-UAIC Chamber*, "Alexandru Ioan Cuza" University Days, Faculty of Chemistry Conference, Iasi, Romania, pp. 27, 27-28 octombrie 2016. 2
12. [Roman C.](#), I. Bejan, C. Arsene, R.I. Olariu, *Gas-Phase FT-IR Kinetic Study of the OH* 2



*Radicals with Phenol*, SCSSMD, 30 iunie-1 iulie 2017, Iași, România.

13. Olariu R.I., [Roman C.](#), Bejan I.G., Arsene C., *ESC-Q-UAIC chamber, a proper analytical tool for the estimation of infrared absorption cross sections for selected volatile organic compounds in the gas phase*, 20<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), 6-9 Septembrie **2017**, Poiana Brașov, România. 2
14. [Roman C.](#), I. Bejan, C. Arsene, R.I. Olariu, *FT-IR study of 1,2-dihydroxybenzene formation yield from the gas phase reaction of phenol with OH radicals*, IașiCHEM 2017, 26-28 octombrie 2017, Iași România. 2
15. [Roman C.](#), Arsene C., Bejan I., Duncianu M., Tomas A., Riffault V., Olariu R.I., *Rate coefficient of gas-phase O<sub>3</sub> initiated oxidation of C5-C6 unsaturated aldehydes*, The 9<sup>th</sup> Scientific Session of Undergraduate, Master and PhD Students (SCSSMD), 29-30 iunie **2018**, Iași, Romania. 2
16. [Roman C.](#), Arsene C., Olariu R.I., Bejan I., *Rate coefficient of the gas-phase OH initiated oxidation of 2,5-dimethylfuran at 298±2 K*, The 9<sup>th</sup> Scientific Session of Undergraduate, Master and PhD Students (SCSSMD), 29-30 iunie **2018**, Iași, Romania. 2
17. [Roman C.](#), Arsene C., Bejan I., Olariu R.I., *Rate coefficient of the gas-phase atmospheric OH radical initiated oxidation of 2-methoxyphenol*, The 35<sup>th</sup> National Chemistry Conference, 02-05 octombrie, **2018**, Căciulata, România. 2
18. [Roman C.](#), Arsene C., Olariu R.I., Bejan I., *Kinetic study of the gas-phase oh radical initiated oxidation of 2-methylfuran in atmospheric conditions*, The 35<sup>th</sup> National Chemistry Conference, 02-05 octombrie, **2018**, Căciulata, România. 2
19. Rusu A.M., [Roman C.](#), Arsene C., Bejan I.G., Olariu R.I., *Gas chromatography-mass spectrometry (GC-MS) analysis of gaseous methylglyoxal after derivatization and solid phase extraction*, The XXXV-th Romanian Chemistry Conference, Posters Section, Calimanesti-Caciulata, Valcea, Romania, 02-05 October, **2018**. 2
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**ACTIVITATE DIDACTICĂ (nu este cazul)**

ACS Dr. Claudiu Roman