

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE INGINERIE CHIMICA SI PROTECTIA MEDIULUI "Cristofor Simionescu"
DEPARTAMENTUL DE INGINERIE CHIMICA
Concurs pentru ocuparea postului de **Profesor**, poz. 6

Disciplinele postului: **Modelarea si Proiectarea Reactoarelor Chimice, 2**
Procedee Necatalitice Eterogene Gaz-Lichid
Procedee Necatalitice Eterogene Solid-Fluid

FIȘA DE VERIFICARE
a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de
profesor universitar

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Candidat: **Harja Maria** / Data nașterii: 6 decembrie 1965, Funcția actuală: Conferentiar, Data numirii în funcția actuală: 30.09.2013, Instituția:
Universitatea Tehnică "Gheorghe Asachi" din Iași.

COMISIA INGINERIE CHIMICĂ, INGINERIE MEDICALĂ, ȘTIINȚA MATERIALELOR ȘI NANOMATERIALE

A. Numărul total de articole publicate în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal

1. Ciobanu G., **Harja M.***, *Bismuth-Doped Nanohydroxyapatite Coatings on Titanium Implants for Improved Radiopacity and Antimicrobial Activity*. Nanomaterials, 2019, 9, 1696., doi:10.3390/nano9121696 – IF 2019
2. Cretescu I., **Harja M.***, Teodosiu C.*, Isopescu D. N., Chok M.F., Sluser B. M., Mohd Salleh M.A., *Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste*, Process Safety and Environmental Protection, 119, 23–35 2018 – IF 2018
3. **Harja M.**, Ciobanu G., *Studies on adsorption of oxytetracycline from aqueous solutions onto hydroxyapatite*, Science of the Total Environment, 628–629, 36–43, 2018 – IF 2019
4. Curteanu S., Buema G., Piuleac C.G., Sutiman D.M., **Harja M.***, *Neuro-evolutionary optimization methodology applied to the synthesis process of ash based adsorbents*, Journal of Industrial and Engineering Chemistry, 20, 2, 597-604, 2014 – IF 2019
5. Ciobanu G. Ilisei S., **Harja M.***, Luca C., *Removal of Reactive Blue 204 Dye from Aqueous Solutions by Adsorption onto Nanohydroxyapatite*, Science of Advanced Materials, 5, 8, 1090-1096, 2013 – IF 2013

NTOP = 5

B. NP – numărul de articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)

Lucrări științifice (titlul lucrării, autori, titlul jurnalului (full), volum (numar) pagini, anul publicării)	NP
<i>Bismuth-Doped Nanohydroxyapatite Coatings on Titanium Implants for Improved Radiopacity and Antimicrobial Activity</i> . Ciobanu G., Harja M., Nanomaterials 2019, 9, 1696., doi:10.3390/nano9121696	1
<i>Comparative study between flocculation-coagulation processes in raw/wastewater treatment</i> , Litu L., Ciobanu G., Cimpeanu S.M., Kotova O., Ciocinta R., Bucur D., Harja M.* , AgroLife Scientific Journal, 8, 1, 139-145, 2019	2
<i>New TiO₂-Ag nanoparticles used for organic compound degradation</i> , Gómez de Castro C., Nuțescu Duduman C., Harja M.* , Lutic D., Juzsakova T., Cretescu I., Environmental Engineering and Management Journal, 18, 8, 1755-1763, 2019	3
<i>New approaches in modeling and simulation of CO₂ absorption reactor by activated potassium carbonate solution</i> , Harja M. , Yuzhakova T., Cretescu I., Ciobanu G., Processes, 7(2), 78, 1-19, 2019	4
<i>Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste</i> , Cretescu I., Harja M.* , Teodosiu C.*, Isopescu D. N., Chok M.F., Sluser B. M., Mohd Salleh M.A., Process Safety and Environmental Protection, 119, 23–35 2018	5
<i>Effectiveness factor approach for chemical absorption process</i> , Harja M. , Ciobanu G., Rusu L., Lazar L., Environmental Engineering and Management Journal, 17, 4, 813-820, 2018	6
<i>Preparation and characterisation of nanocomposite material based on TiO₂-Ag for environmental applications</i> , Nuțescu Duduman C., Gómez de Salazar y Caso de Los Cobos J.M., Harja M.* , Barrena Pérez M.I., Gómez de Castro C., Cretescu I., Environmental Engineering and Management Journal, 15, 7, 925-936, 2018	7
<i>Studies on adsorption of oxytetracycline from aqueous solutions onto hydroxyapatite</i> , Harja M. , Ciobanu G., Science of the Total Environment 628–629, 36–43, 2018	8
<i>Studies regarding photocatalytic degradation of two different organic compounds</i> , Sescu A. M., Favier L., Ciobanu G., Cimpeanu S. M., Teodorescu R. I., Harja M.* , Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. VII, 74-77, 2018	9
<i>Application of sol-gel method for synthesis of Ni(OH)₂ and NiO nanoparticles</i> , Nutescu Duduman C., Gómez de Castro C., María Gómez de Salazar J., Ciobanu G., Cimpeanu C., Harja M.* , Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. VII, nr. 2, p. 78-81, 2018	10
<i>Advanced oxidation process for the removal of chlorinated phenols in aqueous suspensions</i> , Favier L., Harja M.* , Simion A.I., Kadmi Y., Pacala M. L., Rusu L., Bouzaza A., Journal of Environmental Protection and Ecology, 17(3), 1132-1141, 2016	11
<i>Pesticide residues contamination of milk and dairy products. A case study: Bacău district area, Romania</i> , Rusu L., Harja M. , Suteu D., Dabija A., Journal of Environmental Protection and Ecology, 17, 3, 1229–1241, 2016	12
<i>Synthesis of Zeolite from Fly Ash and their Use as Soil Amendment</i> , Harja M., Cimpeanu S.M., Dirja M., ZEOLITES - USEFUL MINERALS Pages: 43-66 Published: 2016	13
<i>Removal of cadmium(II) from aqueous solution by adsorption onto modified algae and ash</i> , Harja M. , Buema G., Bulgariu L., Bulgariu D., Sutiman D. M., Ciobanu G., Korean Journal of Chemical Engineering, 32(9), 1804-1811, 2015	14
<i>A low-cost sorbent for removal of copper ions from wastewaters based on sawdust/fly ash mixture</i> , Cretescu I., Soreanu G., Harja M* , International Journal of Environmental Science and Technology, 12, 6, 1799-1810, 2015	15

<i>Removal of Astrazone blue from aqueous solutions onto brown peat. Equilibrium and kinetics studies</i> , Rusu L., Harja M. , Simion A. I., Suteu D., Ciobanu G., Favier L., Korean Journal of Chemical Engineering, 31(6), 1008-1015, 2014	16
<i>Neuro-evolutionary optimization methodology applied to the synthesis process of ash based adsorbents</i> , Curteanu S., Buema G., Piuleac C.G., Sutiman D. M., Harja M* , Journal of Industrial and Engineering Chemistry, 20, 2, 597-604, 2014	17
<i>Red and brown peat use in removing pollutants from municipal and industrial wastewater</i> , Rusu L., Harja M. , Munteanu C., Ciobanu G., Suteu D., Journal of Environmental Protection and Ecology, 15, 4, 1690-1699, 2014	18
<i>Prediction of mechanical Properties of Polymer Concrete with tyre rubber Using Neural Networks</i> , Diaconescu R.M., Barbuta M. and Harja M.* , Materials Science and Engineering B-Advanced Functional Solid-State Materials, 178, 1259-1267, 2013	19
<i>Obtaining and utilization of cellulose fibers with in-situ loading as additive for printing paper</i> , Fortuna M.E., Harja M.* , Bucur D., Cimpeanu S. M., Materials, 6, 4532-4544, 2013	20
<i>Removal of Reactive Blue 204Dye from Aqueous Solutions by Adsorption onto Nanohydroxyapatite</i> , Ciobanu G. Ilisei S., Harja M* , Luca C., Science of Advanced Materials, 5, 8, 1090-1096, 2013	21
<i>Removal of heavy metals ions removal from aqueous solutions using low-cost adsorbents obtained from ash</i> , Harja M. , Buema G., Sutiman D. M., Cretescu I., Chemical Papers, 67, 5, 497–508, 2013	22
<i>Optimization of the conditions for conversion of ash into zeolite materials</i> , Ciocinta R.C., Harja M., Bucur D., Buema G., Journal of Food, Agriculture & Environment, 11(1), 1108-1012, 2013	23
<i>Lead removal from aqueous solution by bottom ash</i> , Buema G., Cimpeanu M.S., Sutiman D., Rusu L., Crețescu I., Ciocîntă R. C., Harja M. , Journal of Food, Agriculture & Environment, 11(1), 1137-1141, 2013	24
<i>Low cost adsorbents obtained from ash for copper removal</i> , Harja M. , Buema G., Sutiman D.M., Munteanu C., Bucur D., Korean Journal of Chemical Engineering, 29, 12, 1735-1744, 2012	25
<i>Fly ash-derived zeolites as adsorbents for Ni removal from waste water</i> , Harja M. , Rusu L., Bucur D., Ciocinta R.C., Revue Roumaine de Chimie, 57, 6, 587-597, 2012	26
<i>Using Neural Networks for Prediction of Properties of Polymer Concrete with Fly Ash</i> , Bărbuță M., Diaconescu R.M., Harja M. , Journal of Materials in Civil Eng., 24, 5, 523 -528, 2012	27
<i>Conversion of ash on zeolites for soil application</i> , Harja M. , Bucur D., Cimpeanu S. M., Ciocinta R. C, Journal of Food, Agriculture & Environment, 10, 2, 1056-1059, 2012	28
<i>The influence of hydrodinamic conditions on the synthesis of ultra-thin calcium carbonate</i> , Harja M. , Cimpeanu C., Bucur R.D., Journal of Food, Agriculture & Env., 10, 2, 1191-1195, 2012	29
<i>Homogeneous areas delimitation by considering the energy demand for plants growing in covered spaces</i> , Bucur R., Harja M. , Environmental Eng. and Management Journal, 11, 2, 253-257, 2012	30
<i>Improving soil quality by adding modified ash</i> , Ciocinta R.C., Harja M* , Bucur D., Rusu L., Barbuta M., Munteanu C., Environmental Engineering and Management J., 11, 2, 297-305, 2012	31
<i>Simultaneous removal of Astrazone blue and lead onto low cost adsorbents based on power plant ash</i> , Harja M. , Barbuta M., Rusu L., Munteanu C., Buema G., Doniga E., Environmental Engineering and Management Journal, 10, 3, 341-347, 2011	32
<i>CaCO₃ controllable synthesis by double exchange method using CaCl₂ residual solutions</i> , Harja M. , Ciocîntă R.C, Barbuta M., Rusu L., Simion A. I.,	33

Bistricianu I. L., Environmental Engineering and Management Journal, 9, 11, 1571-1577, 2010	
<i>The influence of experimental factors of calcium carbonate morphology prepared by carbonation</i> , Harja M. , Crețescu I., Rusu L., Ciocîntă R.C, Revista de Chimie, 60, 12, 1258-1263, 2009	34
<i>Crystal growth of calcium carbonate with various morphologies from Residual Calcium Chloride Solution</i> , Harja M. , Ciocîntă R.C., Crețescu I., Apostolescu M. and Bărbuță M., Revista de Chimie, 60, 10, 1025-1031, 2009	35
<i>Wastes used in obtaining polymer composite</i> , Barbuta M., Taranu N., Harja M.* , Environmental Engineering and Management Journal, September/October, 8, 5, 1145-1150, 2009	36
<i>Utilization of coal fly ash from power plants. II. Geopolymer obtaining</i> , Harja M. , Bărbuță M., Gavrilesu M., Environmental Engineering and Management Journal, 8, 3, 513-520, 2009	37
<i>Utilization of coal fly ash from power plants I. Ash characterization</i> , Harja M. , Barbuta, M., Rusu, L., Apostolescu, N. Environmental Engineering and Management Journal, 7(3), 289-293, 2008	38
<i>Study of morphology for geopolymer materials obtained from fly ash</i> , Harja M. , Barbuta M., Gavrilesu M., Environmental Engineering and Management Journal, 8, 5, 1021-1027, 2009	39
<i>Sulphur dioxide absorbtion study in residual calcium carbonate suspension</i> , Szep Al., Harja M*. , Revista de Chimie, 10, 870-874, 2007	40
Standarde minimale NP ≥ 20	Realizat 40

C. FIC - Factorul de impact cumulat – suma factorilor revistelor la data înscrierii la concurs (factorul întreg pentru autor principal sau divizat la nr. de autori pentru celelalte articole)

Lucrări științifice (titlul lucrării, autori (nume inițiala prenume.), titlul jurnalului (full), volum (numar) pagini, (anul publicării))	FIC	FI 2019
<i>Bismuth-Doped Nanohydroxyapatite Coatings on Titanium Implants for Improved Radiopacity and Antimicrobial Activity</i> . Ciobanu G.; Harja M.* , Nanomaterials 2019, 9, 1696., doi:10.3390/nano9121696	4.034	4.034
<i>New TiO₂-Ag nanoparticles used for organic compound degradation</i> , Gómez de Castro C., Nuțescu Duduman C., Harja M.* , Lutic D., Juzsakova T., Cretescu I., Environmental Engineering and Management Journal, 18, 8, 1755-1763, 2019	1.186	1.186
<i>New approaches in modeling and simulation of CO₂ absorption reactor by activated potassium carbonate solution</i> , Harja M. , Yuzhakova T., Cretescu I., Ciobanu G., Processes, 7(2), 78, 1-19, 2019	1.963	1.963
<i>Cerium-doped hydroxyapatite/collagen coatings on titanium for bone implants</i> , Ciobanu G., Harja M. , Ceramics International, 45(2), 2852–2857, 2019	1.725	3.450
<i>Studies on the sorption of levofloxacin from aqueous solutions onto nanohydroxyapatite</i> , Ciobanu G., Harja M. , Revue Roumaine de Chimie, 63(7-8), 593-601, 2018	0.197	0.395
<i>Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste</i> , Cretescu I., Harja M.* , Teodosiu C.*, Isopescu D. N., Chok M.F., Sluser B. M., Mohd Salleh M.A., Process Safety and Environmental Protection, 119, 23–35 2018	4.384	4.384

<i>Effectiveness factor approach for chemical absorption process</i> , Harja M. , Ciobanu G., Rusu L., Lazar L., Environmental Engineering and Management Journal, 17, 4, 813-820, 2018	1.186	1.186
<i>Preparation and characterisation of nanocomposite material based on TiO₂-Ag for environmental applications</i> , Nuțescu Duduman C., Gómez de Salazar y Caso de Los Cobos J.M., Harja M.* , Barrena Pérez M.I., Gómez de Castro C., Cretescu I., Environmental Engineering and Management Journal, 15, 7, 925-936, 2018	1.186	1.186
<i>Studies on adsorption of oxytetracycline from aqueous solutions onto hydroxyapatite</i> , Harja M.* , Ciobanu G., Science of the Total Environment, 628–629, 36–43, 2018	5.589	5.589
<i>Biomimetic hydroxyapatite-silver coatings on titanium surfaces</i> , Ciobanu G., Harja M. , Rusu L., Revue Roumaine de Chimie, 62(4-5), 449-454, 2017	0.131	0.395
<i>Assessment of groundwater and surface water contamination by landfill leachate: a case study in Neamt county</i> , Rusu L., Suceveanu M., Șuteu D., Favier L., Harja M. , Environmental Engineering and Management Journal, 16, 3, 633-641, 2017	0.237	1.186
<i>Retention of barium and europium radionuclides from aqueous solutions on ash-based sorbents by application of radiochemical techniques</i> , Noli F., Kapnisti M., Harja M. , Buema G., Applied Radiation and Isotopes, 116, 102-1009, 2016	0.335	1.343
<i>Retention of cesium from aqueous solutions using synthetic zeolites produced from power plant ash</i> , Noli F., Buema G., Misaelides P., Harja M. , Journal of Radioanalytical and Nuclear Chemistry, 309(2), 589-596, 2015	0.296	1.186
<i>Kinetic and equilibrium studies on adsorption of Reactive Blue 19 dye from aqueous solutions by nanohydroxyapatite adsorbent</i> , Ciobanu G., Barna S., Harja M. , Archives of Environmental Protection, 309:589–596, 2016	0.563	1.689
<i>Advanced oxidation process for the removal of chlorinated phenols in aqueous suspensions</i> , Favier L., Harja M.* , Simion A.I., Kadmi Y., Pacala M. L., Rusu L., Bouzaza A., Journal of Environmental Protection and Ecology, 17(3), 1132-1141, 2016	0.634	0.634
<i>Pesticide residues contamination of milk and dairy products. A case study: Bacău district area, Romania</i> , Rusu L., Harja M.* , Șuteu D., Dabija A., Journal of Environmental Protection and Ecology, 17, 3, 1229–1241, 2016	0.634	0.634
<i>Removal of Zn(II) ions from aqueous media on thermal activated sawdust</i> , Nacu G., Bulgariu D., Popescu M.C., Harja M. , Juravle D.T., Bulgariu L., Desalination and Water Treatment, 57(46), 21904-21915, 2016	0.205	1.234
<i>Removal of cadmium(II) from aqueous solution by adsorption onto modified algae and ash</i> , Harja M.* , Buema G., Bulgariu L., Bulgariu D., Sutiman D. M., Ciobanu G., Korean Journal of Chemical Engineering, 32(9), 1804-1811, 2015	2.476	2.476
<i>A low-cost sorbent for removal of copper ions from wastewaters based on sawdust/fly ash mixture</i> , Cretescu I., Soreanu G., Harja M.* , International Journal of Environmental Science and Technology, 12, 6, 1799-1810, 2015	2.031	2.031
<i>A new strategy for pentachlorophenol monitoring in water using ultra-high-performance liquid chromatography-tandem mass spectrometry</i> , Kadmi Y., Favier L., Harja M. , Simion A. I., Rusu L., Wolbert D., Environmental Engineering and Management Journal, 14, 3, 567-574, 2015	0.197	1.186
<i>New materials synthesized from ash under moderate conditions for removal of toxic and radioactive metals</i> , Noli F., Buema G., Misaelides P., Harja M. , Journal of Radioanalytical and Nuclear Chemistry, 303, 3, 2303-23011, 2015	0.296	1.186
<i>Removal of Astrazone blue from aqueous solutions onto brown peat. Equilibrium and kinetics studies</i> , Rusu L., Harja M.* , A. I. Simion, D. Șuteu, G. Ciobanu, L.Favier, Korean Journal of Chemical Engineering, 31(6), 1008-1015, 2014	2.476	2.476

<i>Acid Black 172 dye adsorption from aqueous solution by hydroxyapatite as low-cost adsorbent</i> , Ciobanu G., Harja M. , Rusu L., Mocanu A. M., Luca C., Korean Journal of Chemical Engineering, 31(6), 1021-1027, (2014)	0.4952	2.476
<i>Neuro-evolutionary optimization methodology applied to the synthesis process of ash based adsorbents</i> , Curteanu S., Buema G., Piuleac C.G., Sutiman D. M., Harja M* , Journal of Industrial and Engineering Chemistry, 20, 2, 597-604, 2014	4.978	4.978
<i>Red and brown peat use in removing pollutants from municipal and industrial wastewater</i> , Rusu L., Harja M.* , Munteanu C., Ciobanu G, Suteu D., Journal of Environmental Protection and Ecology, 15, 4, 1690-1699, 2014	0.634	0.634
<i>Uranium removal from aqueous solutions by raw- and modified power plant ash</i> , Buema G., Noli F., Misaelides P., Sutiman D. M., Cretescu I., Harja M. , Journal of Radioanalytical and Nuclear Chemistry, 299, 1, 381–386, 2014	0.197	1.186
<i>Prediction of mechanical Properties of Polymer Concrete with tyre rubber Using Neural Networks</i> , Diaconescu R.M., Barbuta M. and Harja M.* , Materials Science and Engineering B-Advanced Functional Solid-State Materials, 178, 1259-1267, 2013	3.507	3.507
<i>Obtaining and utilization of cellulose fibers with in-situ loading as additive for printing paper</i> , Fortuna M.E., Harja M.* , Bucur D., Cimpeanu S. M., Materials, 6, 4532-4544, 2013	2.972	2.972
<i>Removal of Reactive Blue 204Dye from Aqueous Solutions by Adsorption onto Nanohydroxyapatite</i> , Ciobanu G. Ilisei S., Harja M* , Luca C., Science of Advanced Materials, 5, 8, 1090-1096, 2013, ISSN 1947-2935	1.158	1.158
<i>Removal of heavy metals ions removal from aqueous solutions using low-cost adsorbents obtained from ash</i> , Harja M. , Buema G., Sutiman D. M., Cretescu I., Chemical Papers, 67, 5, 497–508, 2013	1.246	1.246
<i>Behavior of short hybrid concrete columns under eccentric compression</i> , Barbuta M., Toma I.O., Harja M. , Toma A.M., Gavriloiu C., Archives of Civil and Mechanical Engineering, 13, 1, 119-127, 2013	0.569	2.846
<i>Low cost adsorbents obtained from ash for copper removal</i> , Harja M. , Buema G., Sutiman D.M., Munteanu C., Bucur D., Korean Journal of Chemical Engineering, 29, 12, 1735-1744, 2012	2.476	2.476
<i>Fly ash-derived zeolites as adsorbents for Ni removal from waste water</i> , Harja M. , Rusu L., Bucur D., Ciocinta R.C., Revue Roumaine de Chimie, 57, 6, 587-597, 2012	0.37	0.37
<i>Using Neural Networks for Prediction of Properties of Polymer Concrete with Fly Ash</i> , Bărbuță M., Diaconescu R.M., Harja M.* , Journal of Materials in Civil Eng., 24, 5, 523 -528, 2012	1.984	1.984
<i>Homogeneous areas delimitation by considering the energy demand for plants growing in covered spaces</i> , Bucur R., Harja M.* , Environmental Eng. and Management Journal, 11, 2, 253-257, 2012	1.186	1.186
<i>Improving soil quality by adding modified ash</i> , Ciocinta R.C., Harja M* , Bucur D., Rusu L., Barbuta M., Munteanu C., Environmental Engineering and Management J., 11, 2, 297-305, 2012	1.186	1.186
<i>Simultaneous removal of Astrazone blue and lead onto low cost adsorbents based on power plant ash</i> , Harja M. , Barbuta M., Rusu L., Munteanu C., Buema G., Doniga E., Environmental Engineering and Management Journal, 10, 3, 341-347, 2011	1.186	1.186
<i>CaCO₃ controllable synthesis by double exchange method using CaCl₂ residual solutions</i> , Harja M. , Ciocîntă R.C, Barbuta M., Rusu L., Simion A. I., Bistricianu I. L., Environmental Engineering and Management Journal, 9, 11, 1571-1577, 2010	1.186	1.186
<i>Comparison of mechanical properties for polymer concrete with different types of filler</i> , Bărbuță M., Harja M. and Baran I., Journal of Material in Civil Engineering, 22, 7, 696-701, 2010	0.6613	1.984

<i>Concrete polymer with fly ash. Morphologic analysis based on scanning electron microscopic observations</i> , Bărbuță M., Harja M. and Babor D., Revista Romana de Mat., 40, 1, 337-345, 2010	0.209	0.628
<i>The influence of experimental factors of calcium carbonate morphology prepared by carbonation</i> , Harja M. , Crețescu I., Rusu L., Ciocîntă R.C, Revista de Chimie, 60, 12, 1258-1263, 2009	1.605	1.605
<i>Crystal growth of calcium carbonate with various morphologies from Residual Calcium Chloride Solution</i> , Harja M. , Ciocîntă R.C., Crețescu I., Apostolescu M. and Bărbuță M., Revista de Chimie, 60, 10, 1025-1031, 2009	1.605	1.605
<i>Wastes used in obtaining polymer composite</i> , Barbuta M., Taranu N., Harja M.* , Environmental Engineering and Management Journal, September/October, 8, 5, 1145-1150, 2009	1.186	1.186
<i>Utilization of coal fly ash from power plants. II. Geopolymer obtaining</i> , Harja M. , Bărbuță M., Gavrilesu M., Environmental Engineering and Management Journal, 8, 3, 513-520, 2009	1.186	1.186
<i>Utilization of coal fly ash from power plants I. Ash characterization</i> , Harja M. , Barbuta, M., Rusu, L., Apostolescu, N. Environmental Engineering and Management Journal, 7(3), 289-293, 2008	1.186	1.186
<i>Study of morphology for geopolymer materials obtained from fly ash</i> , Harja M. , Barbuta M., Gavrilesu M., Environmental Engineering and Management Journal, 8, 5, 1021-1027, 2009	1.186	1.186
<i>Sulphur dioxide absorbtion study in residual calcium carbonate suspension</i> , Szep Al., Harja M*. , Revista de Chimie, 10, 870-874, 2007	1.605	1.605
<i>Determination of the mass transfer amplification factor for chemosorbition processes</i> , Petrescu S., Mămăligă I. și Ivaniciuc M. , Revista de Chimie, 1, 64-67, 1998	0.535	1.605
<i>Determination of the acceleration factor in potassium carbonate activated solutions</i> , Hagiuc C., Ivaniciuc M. , Revista de Chimie, 10-11, 856-862, 1997	0.802	1.605
<i>Utilization of the spent catalyst from the ammonia synthesis</i> , Szep Al, Ivaniciuc M. , Balasanian I. Stroie C., Revista de Chimie, 9, 808-813, 1997	0.401	1.605
Standarde minimale	FIC ≥ 30	Realizat
		69.45

D. Numărul total de citări (NC) în baza Scopus (fără autocitări) – vezi pdf SCOPUS

Lucrarea	Nr	Citarea
<i>Cerium-doped hydroxyapatite/collagen coatings on titanium for bone implants</i> G Ciobanu, M Harja Ceramics International 45 (2), 2852-2857, 2019	11	Surface modification – A step forward to overcome the current challenges in orthopedic industry and to obtain an improved osseointegration and antimicrobial properties, Florea, D.A., Albuleț, D., Grumezescu, A.M., Andronescu, E., 2020 Materials Chemistry and Physics, 243,122579
		Achievements in the Topographic Design of Commercial Titanium Dental Implants: Towards Anti-Peri-Implantitis Surfaces. Asensio, G., Vázquez-Lasa, B., & Rojo, L. (2019). Journal of Clinical Medicine, 8(11), 1982.
		Properties of Nanohydroxyapatite Coatings Doped with Nanocopper, Obtained by Electrophoretic Deposition on Ti13Zr13Nb Alloy. Bartmański, M., Pawłowski, L., Strugała, G., Mielewczyk-Gryń, A., & Zieliński, A. (2019). Materials, 12(22), 3741.
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Realizat NC = 464		Standarde minimale NC ≥ 120

E. Numărul de contracte obținute prin competiție la nivel național sau internațional ori contracte cercetare-dezvoltare-inovare cu terți în valoare minimă echivalentă cu 10.000 E – în calitate de director/Responsabil proiect

1. RO-NO-MG-2019-0286, 43/20.11.2019 - Partnership for advanced wastes capitalization with low energy consumption - Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), Fonduri NO 2014-2021 (Fond bilateral) – director Harja Maria
2. Contract de cercetare-19529/10.09.2019_ Noi materiale pe baza de fibra de sticla și valorificarea avansată a deșeurilor din cadrul SC Bico Industries SRL_10.000 E + TVA, 2019-2022, director Harja Maria

NCO = 2

Modul de îndeplinire a standardelor minimale naționale de prezentare la concurs pentru postul de profesor universitar

Cerințe standarde minimale	Modul de îndeplinire a standardelor minimale
NTOP ≥ 4	NTOP = 5
NP ≥ 20	NP = 40
FIC ≥ 30	FIC = 69.45
NC ≥ 120	NC = 464
NCO ≥ 1	NCO = 2

Data: 10.01.2020
Candidat
Harja Maria