

Raport tehnic: Decembrie 2022

**REZULTATE PUBLICAȚII ȘTIINȚIFICE WEB OF SCIENCE - CLARIVATE ANALYTICS**  
**Universitatea „Dunărea de Jos” din Galați**

**15 Decembrie 2022**

**Scopul:** Evaluarea vizibilității științifice a Universității pe Platforma Web of Science – Clarivate Analytics

**Apariția:** Lunar

**Sursa de documentare:** Date prelucrate din Platforma Web of Science - Clarivate Analytics

**Rezultate înregistrate în** *Web of Science Core Collection*, criterii de căutare după „Affiliation”, „Dunarea de Jos University Galati”

**Întocmit:** Colectiv CCDI/15.12.2022

Table 1. CITATION REPORT

Nr. crt.	Citation Report	Total publications UDJG	01.01.2022 – 15.12.2022
1.	Total publications	5.977	478
2.	h-index	65	8
3.	Average citations per item	5,94	0,97
4.	<b>Sum of Times Cited</b>	<b>35.500</b>	<b>466</b>
	Without self-citations	28.080	340
5.	Citing articles	26.163	373
	Without self-citations	23.878	286

(Source: <https://wcs.webofknowledge.com>, 15.12.2022)

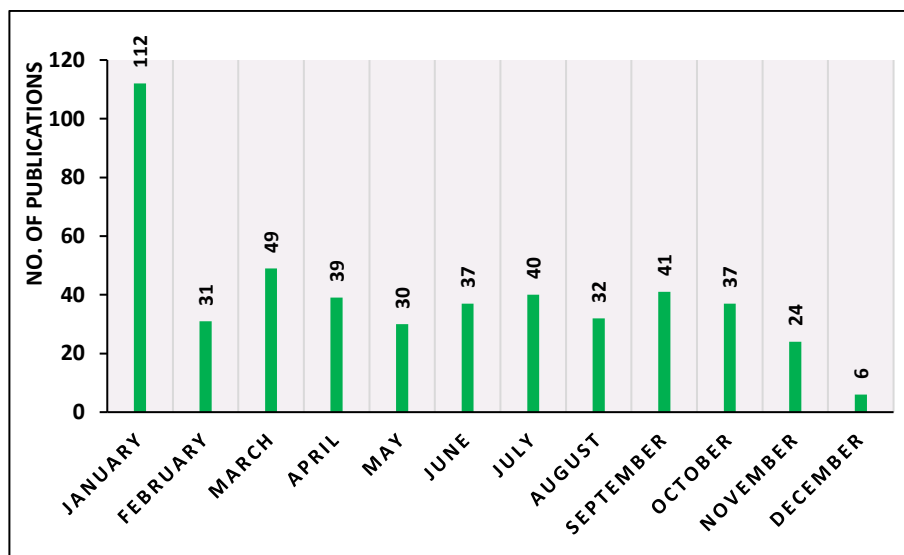


Fig. 1 UDJG Publications on Web of Science (2022)  
(Source: <https://wcs.webofknowledge.com>, 15.12.2022)

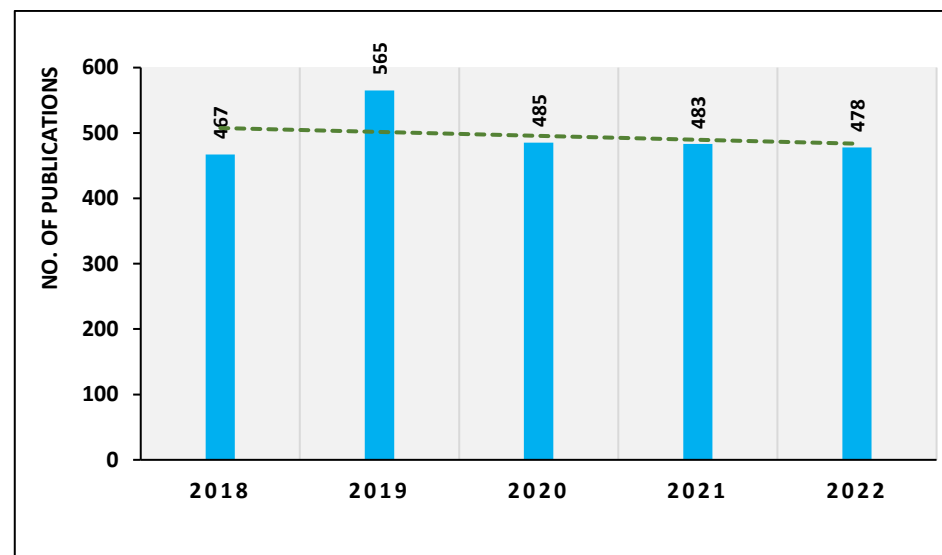


Fig. 2 UDJG Publications on Web of Science (2018-2022)  
(Source: <https://wcs.webofknowledge.com>, 15.12.2022)

Table 2. PUBLICATIONS BY ACCESS TYPE 2022

Document access type	01 Jan. – 15 December 2022
Open Access	342
Other	136

Source: <https://wcs.webofknowledge.com>, 15.12.2022

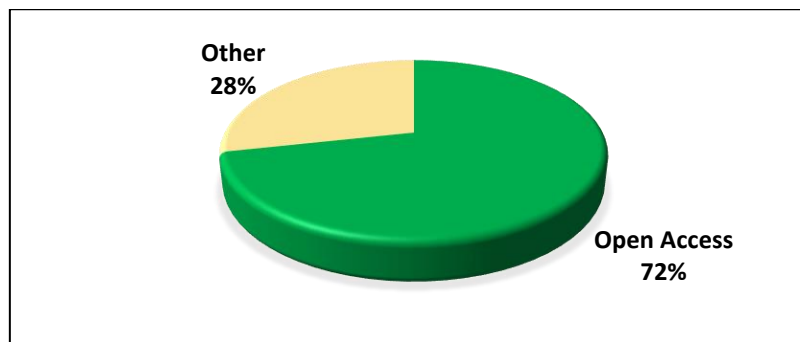


Fig. 3 Publications, by access (2022)

(Source : <https://wcs.webofknowledge.com/>, 15.12.2022)

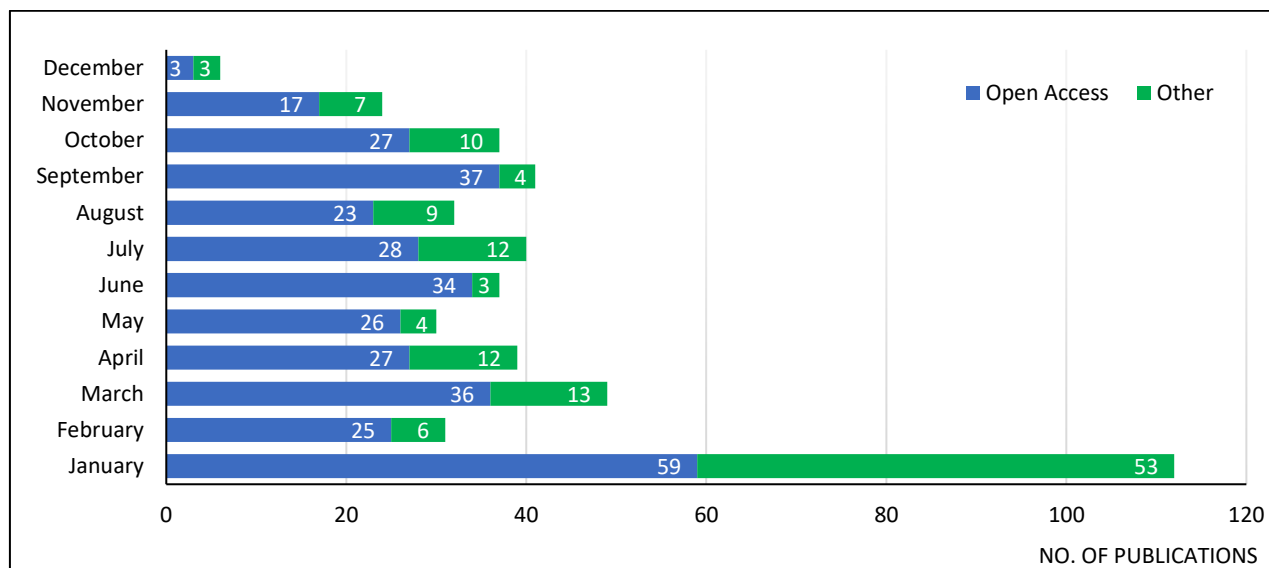


Fig. 4 Distribution of publications, by access (2022)

(Source : <https://wcs.webofknowledge.com/>, 15.12.2022)

**Table 3. CITED PUBLICATIONS 2022**, >1 times cited, on 478 results from Web of Science Core Collection (01.01.2022 – 15.12.2022)

No.	TITLE	AUTHORS	JOURNAL	TIMES CITED
1.	Perturbation of chirped localized waves in a dual-power law nonlinear medium	Zhou, Qin; Triki, Houria; Xu, Jiakun; Zeng, Zhongliang; Liu, Wenjun; Biswas, Anjan	CHAOS SOLITONS & FRACTALS	23
2.	Optical solitons of nonlinear Schrodinger's equation with arbitrary dual-power law parameters	Kudryashov, Nikolay A.; Biswas, Anjan	OPTIK	20
3.	Optical solitons in the Sasa-Satsuma model with multiplicative noise via Ito calculus	Zayed, Elsayed M. E.; Shohib, Reham M. A.; Alngar, Mohamed E. M.; Biswas, Anjan; Yildirim, Yakup; Dakova, Anelia; Alshehri, Hashim M.; Belic, Milivoj R.	UKRAINIAN JOURNAL OF PHYSICAL OPTICS	18
4.	Cubic-quartic optical soliton perturbation with complex Ginzburg-Landau equation by the enhanced Kudryashov's method	Arnous, Ahmed H.; Biswas, Anjan; Yildirim, Yakup; Zhou, Qin; Liu, Wenjun; Alshomrani, Ali S.; Alshehri, Hashim M.	CHAOS SOLITONS & FRACTALS	14
5.	A Review on Electrochemical Sensors and Biosensors Used in Assessing Antioxidant Activity	Munteanu, Irina Georgiana; Apetrei, Constantin	ANTIOXIDANTS	12
6.	A detailed investigation on highly dense CuZr bulk metallic glasses for shielding purposes	Tekin, Huseyin Ozan; ALMisned, Ghada; Susoy, Gulfem; Zakaly, Hesham M. H.; Issa, Shams A. M.; Kilic, Gokhan; Rammah, Yasser Saad; Lakshminarayana, Gandham; Ene, Antoaneta	OPEN CHEMISTRY	10
7.	Gamma, neutron, and heavy charged ion shielding properties of Er <sup>3+</sup> -doped and Sm <sup>3+</sup> -doped zinc borate glasses	Tekin, Huseyin Ozan; ALMisned, Ghada; Zakaly, Hesham M. H.; Zamil, Abdallah; Khoucheich, Dalia; Bilal, Ghaida; Al-Sammarraie, Lubna; Issa, Shams A. M.; Al-Buriahi, Mohammed Sultan; Ene, Antoaneta	OPEN CHEMISTRY	9
8.	Magnesium-Based Alloys Used in Orthopedic Surgery	Antoniac, Iulian; Miculescu, Marian; Manescu (Paltanea), Veronica; Stere, Alexandru; Quan, Pham Hong; Paltanea, Gheorghe; Robu, Alina; Earar, Kamel	MATERIALS	9
9.	A Review of Sensors and Biosensors Modified with Conducting Polymers and Molecularly Imprinted Polymers Used in Electrochemical Detection of Amino Acids: Phenylalanine, Tyrosine, and Tryptophan	Dinu, Ancuta; Apetrei, Constantin	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	8
10.	Nasopharyngeal carcinoma: A new synthesis of literature data (Review)	Jicman (Stan), Daniela; Niculet, Elena; Lungu, Mihaela; Onisor, Cristian; Rebegea, Laura; Vesa, Doinita; Bezman, Laura;	EXPERIMENTAL AND THERAPEUTIC MEDICINE	8

		Bujoreanu, Florin Ciprian; Sarbu, Mihaela Ionela; Mihailov, Raul; Fotea, Silvia; Tatu, Alin Laurentiu		
11.	Heavy metal oxide (HMO) glasses as an effective member of glass shield family: A comprehensive characterization on gamma ray shielding properties of various structures	Tekin, H. O.; Susoy, Gulfem; Issa, Shams A. M.; Ene, Antoaneta; ALMisned, Ghada; Rammah, Y. S.; Ali, Fatema T.; Algethami, Merfat; Zakaly, Hesham M. H.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY- JMR&T	7
12.	Trace Element Geochemistry and Genesis of Beryl from Wadi Nugrus, South Eastern Desert, Egypt	Abdel Gawad, Ahmed E.; Ene, Antoaneta; Skublov, Sergey G.; Gavrilchik, Alexandra K.; Ali, Mohamed A.; Ghoneim, Mohamed M.; Nastavkin, Aleksey V.	MINERALS	7
13.	Highly dispersive optical solitons in birefringent fibres with non-local form of nonlinear refractive index: Laplace-Adomian decomposition	Gonzalez-Gaxiola, O.; Biswas, Anjan; Yildirim, Yakup; Alshehri, Hashim M.	UKRAINIAN JOURNAL OF PHYSICAL OPTICS	7
14.	Highly dispersive optical soliton perturbation with Kudryashov's sextic-power law of nonlinear refractive index	Yildirim, Y.; Biswas, A.; Khan, S.; Mahmood, M. F.; Alshehri, H. M.	UKRAINIAN JOURNAL OF PHYSICAL OPTICS	7
15.	New Strategies for the Total/Partial Replacement of Conventional Sodium Nitrite in Meat Products: a Review	Stoica, Maricica; Antohi, Valentin Marian; Alexe, Petru; Ivan, Angela Stela; Stanciu, Silvius; Stoica, Dimitrie; Zlati, Monica Laura; Stuparu-Cretu, Mariana	FOOD AND BIOPROCESS TECHNOLOGY	6
16.	Structural characterization and gamma-ray attenuation properties of rice-like alpha-TeO <sub>2</sub> crystalline microstructures (CMS) grown rapidly on free surface of tellurite-based glasses	ALMisned, Ghada; Kilic, Gokhan; Ilik, Erkan; Issa, Shams A. M.; Zakaly, Hesham M. H.; Badawi, Ali; Issever, U. Gokhan; Tekin, H. O.; Ene, Antoaneta	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY- JMR&T	6
17.	The Role of D-Dimers in the Initial Evaluation of COVID-19	Baroiu, Liliana; Lese, Ana Cristina; Stefanopol, Ioana Anca; Iancu, Alina; Dumitru, Caterina; Ciubara, Alexandru Bogdan; Bujoreanu, Florin Ciprian; Baroiu, Nicusor; Ciubara, Anamaria; Nechifor, Alexandru; Anghel, Lucretia; Tatu, Alin Laurentiu	THERAPEUTICS AND CLINICAL RISK MANAGEMENT	6
18.	Mechanical properties, elastic moduli, transmission factors, and gamma-ray-shielding performances of Bi <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -B <sub>2</sub> O <sub>3</sub> -V <sub>2</sub> O <sub>5</sub> quaternary glass system	Tekin, Huseyin Ozan; ALMisned, Ghada; Rammah, Yasser Saad; Susoy, Gulfem; Ali, Fatema T.; Sen Baykal, Duygu; Zakaly, Hesham M. H.; Issa, Shams A. M.; Ene, Antoaneta	OPEN CHEMISTRY	5
19.	Statistical analysis on the radiological assessment and geochemical studies of granite rocks in the north of Um Taghir area, Eastern Desert, Egypt	Awad, Hamdy A.; Abu El-Leil, Ibrahim; Nastavkin, Aleksey, V; Tolba, Abdallah; Kamel, Mostafa; El-Wardany, Refaey M.; Rabie, Abdalla; Ene, Antoaneta; Tekin, Huseyin O.; Issa, Shams A. M.; Zakaly, Hesham M. H.	OPEN CHEMISTRY	5

20.	Transmission Factor (TF) Behavior of Bi2O3-TeO2-Na2O-TiO2-ZnO Glass System: A Monte Carlo Simulation Study	Tekin, Huseyin O.; ALMisned, Ghada; Susoy, Gulfem; Ali, Fatema T.; Baykal, Duygu Sen; Ene, Antoaneta; Issa, Shams A. M.; Rammah, Yasser S.; Zakaly, Hesham M. H.	SUSTAINABILITY	5
21.	Chirped optical soliton propagation in birefringent fibers modeled by coupled Fokas-Lenells system	Triki, Houria; Zhou, Qin; Liu, Wenjun; Biswas, Anjan; Moraru, Luminita; Yildirim, Yakup; Alshehri, Hashim M.; Belic, Milivoj R.	CHAOS SOLITONS & FRACTALS	5
22.	New approach for regulation of the internal recirculation flow rate by fuzzy logic in biological wastewater treatments	Santin, I; Vilanova, R.; Pedret, C.; Barbu, M.	ISA TRANSACTIONS	5
23.	Numerical Simulation of Cubic-Quartic Optical Solitons with Perturbed Fokas-Lenells Equation Using Improved Adomian Decomposition Algorithm	Al-Qarni, Alyaa A.; Bakodah, Huda O.; Alshaery, Aisha A.; Biswas, Anjan; Yildirim, Yakup; Moraru, Luminita; Moldovanu, Simona	MATHEMATICS	5
24.	Basal cell carcinoma: Comprehensive clinical and histopathological aspects, novel imaging tools and therapeutic approaches (Review)	Niculescu, Elena; Craescu, Mihaela; Rebegea, Laura; Bobeica, Carmen; Nastase, Florentina; Lupasteanu, Gabriela; Stan, Daniela Jicman; Chioncel, Valentin; Anghel, Lucretia; Lungu, Mihaela; Tatu, Alin Laurentiu	EXPERIMENTAL AND THERAPEUTIC MEDICINE	5
25.	Value-added salad dressing enriched with red onion skin anthocyanins entrapped in different biopolymers	Stoica, Florina; Condurache, Nina Nicoleta; Aprodu, Iuliana; Andronoiu, Doina Georgeta; Enachi, Elena; Stanciu, Nicoleta; Bahrim, Gabriela Elena; Croitoru, Constantin; Rapeanu, Gabriela	FOOD CHEMISTRY-X	4
26.	Radiological Hazards and Natural Radionuclide Distribution in Granitic Rocks of Homrit Waggat Area, Central Eastern Desert, Egypt	Lasheen, El Saeed R.; Azer, Mokhles K.; Ene, Antoaneta; Abdelwahab, Wael; Zakaly, Hesham M. H.; Awad, Hamdy A.; Kawady, Nilly A.	MATERIALS	4
27.	Highly dispersive optical solitons and conservation laws in absence of self-phase modulation with new Kudryashov's approach	Arnous, Ahmed H.; Biswas, Anjan; Kara, Abdul H.; Yildirim, Yakup; Alshehri, Hashim M.; Belic, Milivoj R.	PHYSICS LETTERS A	4
28.	Modeling and Optimization of Heavy Metals Biosorption by Low-Cost Sorbents Using Response Surface Methodology	Fertu, Daniela Ionela; Bulgariu, Laura; Gavrilescu, Maria	PROCESSES	4
29.	Highly Dispersive Optical Soliton Perturbation, with Maximum Intensity, for the Complex Ginzburg-Landau Equation by Semi-Inverse Variation	Biswas, Anjan; Berkemeyer, Trevor; Khan, Salam; Moraru, Luminita; Yildirim, Yakup; Alshehri, Hashim M.	MATHEMATICS	4
30.	Cubic-Quartic Optical Soliton Perturbation with Differential Group Delay for the Lakshmanan-Porsezian-Daniel Model by Lie Symmetry	Kumar, Sachin; Biswas, Anjan; Yildirim, Yakup; Moraru, Luminita; Moldovanu, Simona; Alshehri, Hashim M.; Maturi, Dalal Adnan; Al-Bogami, Dalal H.	SYMMETRY-BASEL	4

31.	Hazards of Radioactive Mineralization Associated with Pegmatites Used as Decorative and Building Material	El Dabe, Mohamed M.; Ismail, A. M.; Metwaly, Mohamed; Taalab, Sherif A.; Hanfi, Mohamed Y.; Ene, Antoaneta	MATERIALS	4
32.	Quantification of Tyrosine in Pharmaceuticals with the New Biosensor Based on Laccase-Modified Polypyrrole Polymeric Thin Film	Dinu, Ancuta; Apetrei, Constantin	POLYMERS	4
33.	Morphological and morphometric changes in the Purkinje cells of patients with essential tremor	Mavroudis, Ioannis; Kazis, Dimitrios; Petridis, Foivos; Chatzikonstantinou, Simela; Karantali, Eleni; Njau, Samuel; Costa, Vasiliki; Ciobica, Alin; Trus, Constantin; Balmus, Ioana; Baloyannis, Stavros	EXPERIMENTAL AND THERAPEUTIC MEDICINE	4
34.	Sustainability and Social Responsibility of Romanian Sport Organizations	Barbu, Mihai Constantin Razvan; Popescu, Marius Catalin; Burcea, George Bogdan; Costin, Dan-Eugen; Popa, Marian Gabriel; Pasarin, Leonardo-Daniel; Turcu, Ioan	SUSTAINABILITY	4
35.	Nanodelivery systems for d-limonene; techniques and applications	Akhavan-Mahdavi, Sahar; Sadeghi, Rohollah; Esfanjani, Afshin Faridi; Hedayati, Sara; Shaddel, Rezvan; Dima, Cristian; Malekjani, Narjes; Boostani, Sareh; Jafari, Seid Mahdi	FOOD CHEMISTRY	3
36.	Tyrosinase-Based Biosensor-A New Tool for Chlorogenic Acid Detection in Nutraceutical Formulations	Munteanu, Irina Georgiana; Apetrei, Constantin	MATERIALS	3
37.	Perspectives for the Development of Sustainable Cultural Tourism	Stoica, Georgiana Daniela; Andreiana, Violeta-Andreea; Duica, Mircea Constantin; Stefan, Maria-Cristina; Susanu, Irina Olimpia; Coman, Mihaela Denisa; Iancu, Dorin	SUSTAINABILITY	3
38.	Nuclear shielding performances of borate/sodium/potassium glasses doped with Sm-3 thorn ions	Zakaly, Hesham M. H.; Rammah, Y. S.; Tekin, H. O.; Ene, Antoaneta; Badawi, Ali; Issa, Shams A. M.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	3
39.	Highly dispersive optical solitons in birefringent fibers having Kerr law of refractive index by Laplace-Adomian decomposition	Gonzalez-Gaxiola, O.; Biswas, Anjan; Yildirim, Yakup; Alshehri, Hashim M.	OPTIK	3
40.	Effect of Diffusion on Dissimilar Welded Joint between Al0.8CoCrFeNi High-Entropy Alloy and S235JR Structural Steel	Voiculescu, Ionelia; Geanta, Victor; Stefanescu, Elena Violeta; Simion, George; Scutelnicu, Elena	METALS	3
41.	Wind Energy Assessments in the Northern Romanian Coastal Environment Based on 20 Years of Data Coming from Different Sources	Yildirim, Victoria; Rusu, Eugen; Onea, Florin	SUSTAINABILITY	3

42.	Electrochemically obtained Al <sub>2</sub> O <sub>3</sub> nanoporous layers with increased anticorrosive properties of aluminum alloy	Benea, Lidia; Simionescu-Bogatu, Nicoleta; Chiriac, Roxana	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY- JMR&T	3
43.	A Statistical Analysis of the Migration Process: A Case Study-Romania	Pripoaie, Rodica; Cretu, Carmen-Mihaela; Turtureanu, Anca-Gabriela; Sirbu, Carmen-Gabriela; Marinescu, Emanuel Stefan; Talaghir, Laurentiu-Gabriel; Chitu, Florentina; Robu, Daniela Monica	SUSTAINABILITY	3
44.	Beetroot By-Product as a Functional Ingredient for Obtaining Value-Added Mayonnaise	Lazar, Silvia; Constantin, Oana Emilia; Horincar, Georgiana; Andronoiu, Doina Georgeta; Stanciuc, Nicoleta; Muresan, Claudia; Rapeanu, Gabriela	PROCESSES	3
45.	Psychometric Assessment of the Need Satisfaction and Frustration Scale with Professional Romanian Athletes	Alexe, Dan Iulian; Abalasei, Beatrice Aurelia; Mares, Gabriel; Rata, Bogdan Constantin; Iconomescu, Teodora Mihaela; Mitrache, Georgeta; Burgueno, Rafael	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	3
46.	Wave-influenced deposition of carbonate-rich sediment on the insular shelf of Santa Maria Island, Azores	Zhao, Zhongwei; Mitchell, Neil C.; Quartau, Rui; Moreira, Sandra; Rusu, Liliana; Melo, Carlos S.; Avila, Sergio P.; Das, Diya; Afonso, Pedro; Pombo, Joaquim; Duarte, Joao; Rodrigues, Aurora	SEDIMENTOLOGY	3
47.	EFFECT OF THE APPLIED CURRENT DENSITY AND DEPOSITION TIME ON ELECTRO-CODEPOSITION PROCESS OF COBALT MATRIX REINFORCED WITH NANO-CeO <sub>2</sub>	Simionescu-Bogatu, N.; Benea, L.	ARCHIVES OF METALLURGY AND MATERIALS	3
48.	Diagnostic and Management of Undescended Ovary-A Preoperative Dilemma: A Case-Based Systematic Review	Stefanopol, Ioana Anca; Baroiu, Liliana; Constantin, Georgiana Bianca; Danila, Dumitru Marius; Anghel, Lucretia; Nechifor, Alexandru; Tatu, Alin Laurentiu	INTERNATIONAL JOURNAL OF WOMENS HEALTH	3
49.	Sensitive Detection of Hydroxytyrosol in Extra Virgin Olive Oils with a Novel Biosensor Based on Single-Walled Carbon Nanotubes and Tyrosinase	Bounegru, Alexandra Virginia; Apetrei, Constantin	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2
50.	Highly Dispersive Optical Solitons in Fiber Bragg Gratings with Kerr Law of Nonlinear Refractive Index	Zayed, Elsayed M. E.; Alngar, Mohamed E. M.; Shohib, Reham M. A.; Biswas, Anjan; Yildirim, Yakup; Khan, Salam; Moraru, Luminita; Moldovanu, Simona; Iticescu, Catalina	MATHEMATICS	2



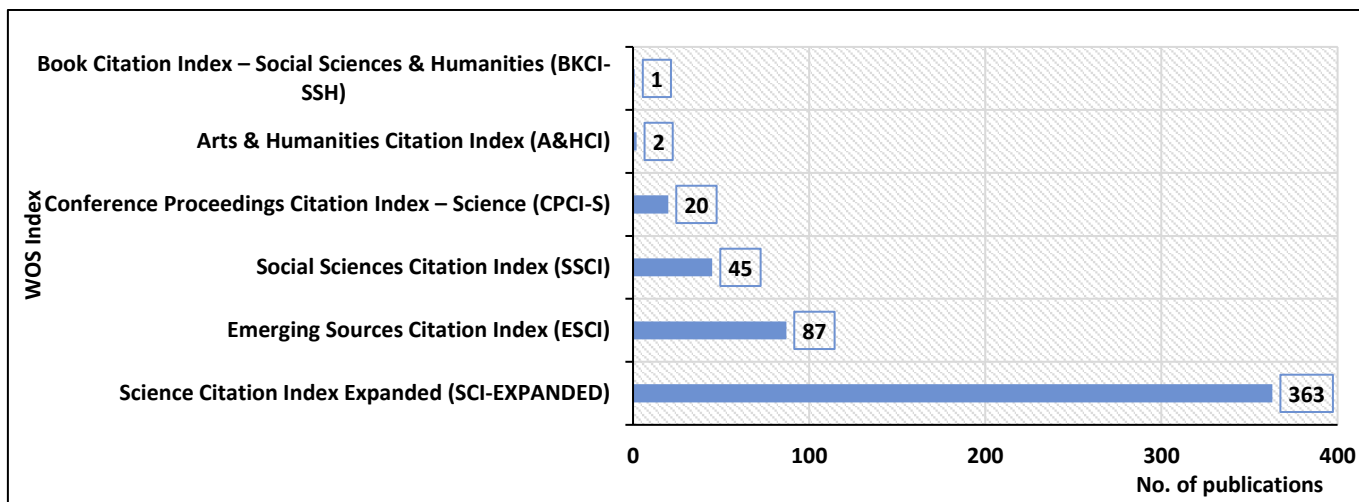
51.	Assessment of the Antioxidant Activity of Catechin in Nutraceuticals: Comparison between a Newly Developed Electrochemical Method and Spectrophotometric Methods	Munteanu, Irina Georgiana; Apetrei, Constantin	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2
52.	Sustainable Design of Innovative Kiwi Byproducts-Based Ingredients Containing Probiotics	Ilie, Gheorghe-Ionut; Milea, Stefania-Adelina; Rapeanu, Gabriela; Circiumaru, Adrian; Stanciuc, Nicoleta	FOODS	2
53.	Novel Combined Load Frequency Control and Automatic Voltage Regulation of a 100% Sustainable Energy Interconnected Microgrids	Fayek, Hady H.; Rusu, Eugen	SUSTAINABILITY	2
54.	Assessment of the wind power dynamics in the North Sea under climate change conditions	Rusu, Eugen	RENEWABLE ENERGY	2
55.	The near future expected wave power in the coastal environment of the Iberian Peninsula	Rusu, Liliana	RENEWABLE ENERGY	2
56.	Cubic-quartic optical soliton perturbation with Fokas-Lenells equation having maximum intensity	Yildirim, Yakup; Biswas, Anjan; Alshehri, Hashim M.	OPTIK	2
57.	Cubic-quartic optical solitons in fiber Bragg gratings with anti-cubic nonlinearity using the modified extended direct algebraic method	Elsherbeny, Ahmed M.; El-Barkouky, Reda; Ahmed, Hamdy M.; El-Hassani, Rabab M. I.; Arnous, Ahmed H.; Biswas, Anjan; Yildirim, Yakup; Alshehri, Hashim M.	OPTIK	2
58.	Assessment of onshore wind energy potential under temperate continental climate conditions	Paraschiv, Spiru; Paraschiv, Lizica Simona; Serban, Alexandru; Cristea, Anisoara Gabriela	ENERGY REPORTS	2
59.	Ultramafic Rocks and Their Alteration Products From Northwestern Allaqi Province, Southeastern Desert, Egypt: Petrology, Mineralogy, and Geochemistry	Abdel-Rahman, A. M.; El-Desoky, H. M.; Shalaby, B. N. A.; Awad, H. A.; Ene, Antoaneta; Heikal, M. A.; El-Awny, H.; Fahmy, W.; Taalab, S. A.; Zakaly, Hesham M. H.	FRONTIERS IN EARTH SCIENCE	2
60.	An In-Depth Examination of the Natural Radiation and Radioactive Dangers Associated with Regularly Used Medicinal Herbs	Saudi, Heba A.; Abedelkader, Heba T.; Issa, Shams A. M.; Diab, Hanan M.; Alharshan, Gharam A.; Uosif, Mohamed A. M.; Bashter, Ibrahim I.; Ene, Antoaneta; El Ghazaly, M.; Zakaly, Hesham M. H.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	2
61.	Simultaneous Determination of Caffeic Acid and Ferulic Acid Using a Carbon Nanofiber-Based Screen-Printed Sensor	Bounegru, Alexandra Virginia; Apetrei, Constantin	SENSORS	2
62.	Biosorptive Removal of Ethacridine Lactate from Aqueous Solutions by Saccharomyces	Rusu, Lacramioara; Grigoras, Cristina-Gabriela; Simion, Andrei-Ionut; Suceveanu, Elena-Mirela; Botezatu, Andreea V. Dediu; Harja, Maria	MATERIALS	2

	pastorianus Residual Biomass/Calcium Alginate Composite Beads: Fixed-Bed Column Study			
63.	The Polyphenolic Profile and Antioxidant Activity of Five Vegetal Extracts with Hepatoprotective Potential	Costea, Liliana; Chitescu, Carmen Lidia; Boscencu, Rica; Ghica, Manuela; Lupuliasa, Dumitru; Mihai, Dragos Paul; Deculescu-Ionita, Teodora; Dutu, Ligia Elena; Popescu, Maria Lidia; Luta, Emanuela-Alice; Nitulescu, George Mihai; Olaru, Octavian Tudorel; Gird, Cerasela Elena	PLANTS-BASEL	2
64.	Environmentally assisted fatigue failure of a structural bolted-joint connection	Iordachescu, Mihaela; Valiente, Andres; De Abreu, Maricely; Santos, Patricia; Scutelnicu, Elena	ENGINEERING FAILURE ANALYSIS	2
65.	Calculation of NaI(Tl) detector efficiency using Ra-226, Th-232, and K-40 radioisotopes: Three-phase Monte Carlo simulation study	Tekin, Huseyin Ozan; ALMisned, Ghada; Issa, Shams A. M.; Zakaly, Hesham M. H.; Kilic, Gokhan; Ene, Antoaneta	OPEN CHEMISTRY	2
66.	A Fingerprint Matching Algorithm Using the Combination of Edge Features and Convolution Neural Networks	Lazarescu, Andreea-Monica Dinca; Moldovanu, Simona; Moraru, Luminita	INVENTIONS	2
67.	Characterizations of Six Pomegranate (Punica granatum L.) Varieties of Global Commercial Interest in Morocco: Pomological, Organoleptic, Chemical and Biochemical Studies	El Moujahed, Sara; Dinica, Rodica-Mihaela; Cudalbeanu, Mihaela; Avramescu, Sorin Marius; Msegued Ayam, Iman; Ouazzani Chahdi, Fouad; Kandri Rodi, Youssef; Errachidi, Faouzi	MOLECULES	2
68.	Mechanical properties as well as gamma-ray attenuation competence: a wide-ranging examination into Tb <sup>3+</sup> doped boro-germanate-aluminiophosphate (BGAP) glasses	Zakaly, Hesham M. H.; Tekin, H. O.; ALMisned, Ghada; Ahmed, Emad M.; Issa, Shams A. M.; Ene, Antoaneta; Rammah, Y. S.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2
69.	The Analysis of the Correlations between BMI and Body Composition among Children with and without Intellectual Disability	Ungurean, Bogdan Constantin; Cojocariu, Adrian; Abalasei, Beatrice Aurelia; Popescu, Lucian; Puni, Alexandru Rares; Stoica, Marius; Parvu, Carmen	CHILDREN-BASEL	2
70.	Clinical Study of Serum Serotonin as a Screening Marker for Anxiety and Depression in Patients with Type 2 Diabetes	Moroianu, Lavinia-Alexandra; Cecilia, Curis; Ardeleanu, Valeriu; Stoian, Anca Pantea; Cristescu, Vasilica; Barbu, Raisa-Eloise; Moroianu, Marius	MEDICINA-LITHUANIA	2
71.	Assessment of Systemic and Maxillary Bone Loss in Cancer Patients with Endo-Periodontal Lesions Using Dkk-1 Biomarker and Dental Radiological Examinations	Antohei, Cristina; Salceanu, Mihaela; Aminov, Liana; Martu, Maria-Alexandra; Dascalu, Cristina Gena; Dodi, Gianina; Stoica, George; Bandol, Geanina; Iancu, Dragos; Dobrovat, Bogdan; Haba, Danisia	APPLIED SCIENCES-BASEL	2
72.	Highly Dispersive Optical Solitons in Birefringent Fibers with Polynomial Law of	Gonzalez-Gaxiola, Oswaldo; Biswas, Anjan; Yildirim, Yakup; Moraru, Luminita	MATHEMATICS	2

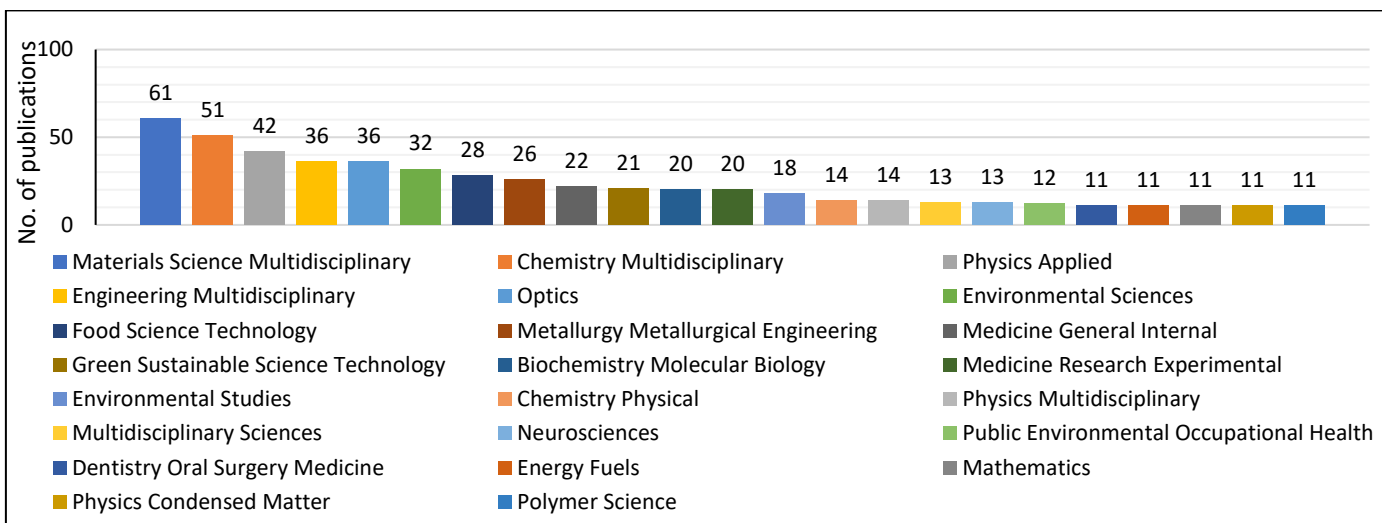
	Nonlinear Refractive Index by Laplace-Adomian Decomposition			
73.	Multiple Assessments on the Gamma-Ray Protection Properties of Niobium-Doped Borotellurite Glasses: A Wide Range Investigation Using Monte Carlo Simulations	Tekin, H. O.; Ali, Fatema T.; Almisned, Ghada; Susoy, Gulfem; Issa, Shams A. M.; Ene, Antoaneta; Elshami, Wiam; Zakaly, Hesham M. H.	SCIENCE AND TECHNOLOGY OF NUCLEAR INSTALLATIONS	2
74.	On the existence of chirped algebraic solitary waves in optical fibers governed by Kundu-Eckhaus equation	Triki, Houria; Sun, Yunzhou; Biswas, Anjan; Zhou, Qin; Yildirim, Yakup; Zhong, Yu; Alshehri, Hashim M. M.	RESULTS IN PHYSICS	2
75.	Introducing the Living Lab Approach in the Coastal Area of Constanta (Romania) by Using Design Thinking	Anton, Catalin; Micu, Angela Eliza; Rusu, Eugen	INVENTIONS	2
76.	Estimation of the Tower Shape Effect on the Stress-Strain Behavior of Wind Turbines Operating under Offshore Boundary Conditions	Diaconita, Alexandra Ionelia; Andrei, Gabriel; Rusul, Eugen	INVENTIONS	2
77.	An Analysis of the Wind Parameters in the Western Side of the Black Sea	Nedelcu, Laura-Ionela; Rusu, Eugen	INVENTIONS	2
78.	Modeling the Biosorption Process of Heavy Metal Ions on Soybean-Based Low-Cost Biosorbents Using Artificial Neural Networks	Fertu, Daniela Ionela; Dragoi, Elena Niculina; Bulgariu, Laura; Curteanu, Silvia; Gavrilescu, Maria	PROCESSES	2
79.	Why Don't We Get Vaccinated? Some Explanatory Hypotheses of Vaccine Hesitation	Rotila, Viorel	POSTMODERN OPENINGS	2
80.	Bright solitons with anti-cubic and generalized anti-cubic nonlinearities in an optical fiber	Muniyappan, Annamalai; Hemamalini, Devanathan; Akila, Ethirasan; Elakkiya, Vajravel; Anitha, Subramaniyan; Devadharshini, Sakthivel; Biswas, Anjan; Yddirim, Yakup; Alshehri, Hashim M.	OPTIK	2
81.	Benefits and adverse events of melatonin use in the elderly (Review)	Anghel, Lucretia; Baroiu, Liliana; Popazu, Corina Risca; Patras, Diana; Fotea, Silvia; Nechifor, Alexandru; Ciubara, Anamaria; Nechita, Luiza; Musat, Carmina Liana; Stefanopol, Ioana Anca; Tatu, Alin Laurentiu; Ciubara, Alexandru Bogdan	EXPERIMENTAL AND THERAPEUTIC MEDICINE	2
82.	European tech startups' responses to the COVID-19 pandemic: integrating McKinsey's 5R's paradigm and the Newtonian gravitational field	Dragan, George Bogdan; Bleoju, Gianita; Capatina, Alexandru; Woodside, Arch	MANAGEMENT DECISION	2
83.	Sequel to cubic-quartic optical soliton perturbation with complex Ginzburg-Landau equation by the enhanced Kudryashov's method	Arnous, Ahmed H.; Biswas, Anjan; Kara, Abdul H.; Milovic, Daniela; Yildirim, Yakup; Alshehri, Hashim M.	IET OPTOELECTRONICS	2

84.	Nano-Architectonics of Antibiotic-Loaded Polymer Particles as Vehicles for Active Molecules	Forna, Norin; Damir, Daniela; Duceac, Letitia Doina; Dabija, Marius Gabriel; Calin, Gabriela; Ichim, Daniela Luminita; Gutu, Cristian; Grierosu, Carmen; Eva, Lucian; Ciuhodaru, Madalina Irina; Goroftei, Elena Roxana Bogdan; Banu, Elena Ariela; Stafie, Liviu; Gabriela, Ciolpan; Mitrea, Geta; Marcu, Constantin	APPLIED SCIENCES-BASEL	2
85.	Extraction of insoluble fibrous collagen for characterization and crosslinking with phenolic compounds from pomegranate byproducts for leather tanning applications	El Moujahed, Sara; Errachidi, Faouzi; Abou Oualid, Hicham; Botezatu-Dediu, Andreea-Veronica; Ouazzani Chahdi, Fouad; Kandri Rodi, Youssef; Dinica, Rodica Mihaela	RSC ADVANCES	2
86.	Cubic-quartic optical solitons for Lakshmanan-Porsezian-Daniel equation by the improved Adomian decomposition scheme	Al Qarni, A. A.; Bodaqah, A. M.; Mohammed, A. S. H. F.; Alshaery, A. A.; Bakodah, H. O.; Biswas, Anjan	UKRAINIAN JOURNAL OF PHYSICAL OPTICS	2
87.	MINERALOGY AND RADIOACTIVITY LEVEL OF THE NEW OCCURRENCE OF ILMENITE BEARING GABBRO AT ABU MURRAT, NORTHEASTERN DESERT, EGYPT	Awad, Hamdy A.; Abu El-Leil, Ibrahim; El-Wardany, Refaey M.; Ene, Antoaneta; Tolba, Abdellah; Kamel, Mostafa; Nastavkin, Aleksey; Zakaly, Hesham M. H.	ROMANIAN JOURNAL OF PHYSICS	2
88.	Physical characterization and crystallization kinetics of amorphous BiSe chalcogenide glasses	Ahmad, Mahmoud; Aly, K. A.; Dahshan, A.; Saddeek, Y.; Zakaly, Hesham M. H.; Abd Elnaeim, A. M.; Ene, Antoaneta	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2
89.	STRUCTURAL AND PHYSICAL CHARACTERIZATION OF NEW Ti-BASED ALLOYS	Baltatu, I; Sandu, A., V; Baltatu, M. S.; Benchea, M.; Achitei, D. C.; Ciolacu, F.; Perju, M. C.; Vizureanu, P.; Benea, L.	ARCHIVES OF METALLURGY AND MATERIALS	2
90.	The Acoustic Performance of Expanded Perlite Composites Reinforced with Rapeseed Waste and Natural Polymers	Nastac, Silviu; Nechita, Petronela; Debeleac, Carmen; Simionescu, Cristian; Seciureanu, Mihai	SUSTAINABILITY	2
91.	Thermal Stability and Inhibitory Action of Red Grape Skin Phytochemicals against Enzymes Associated with Metabolic Syndrome	Serea, Daniela; Condurache, Nina Nicoleta; Aprodu, Iuliana; Constantin, Oana Emilia; Bahrim, Gabriela-Elena; Stanciu, Nicoleta; Stanciu, Silviu; Rapeanu, Gabriela	ANTIOXIDANTS	2
92.	Tribocorrosion Behavior of NiTi Biomedical Alloy Processed by an Additive Manufacturing Laser Beam Directed Energy Deposition Technique	Buciumeanu, Mihaela; Bagheri, Allen; Silva, Filipe Samuel; Henriques, Bruno; Lasagni, Andres F.; Shamsaei, Nima	MATERIALS	2

(Source: <https://wcs.webofknowledge.com/>, 15.12.2022)



**Fig. 5** Publications by Web of Science Index (2022)  
 (Source : <https://wcs.webofknowledge.com/>, 15.12.2022)



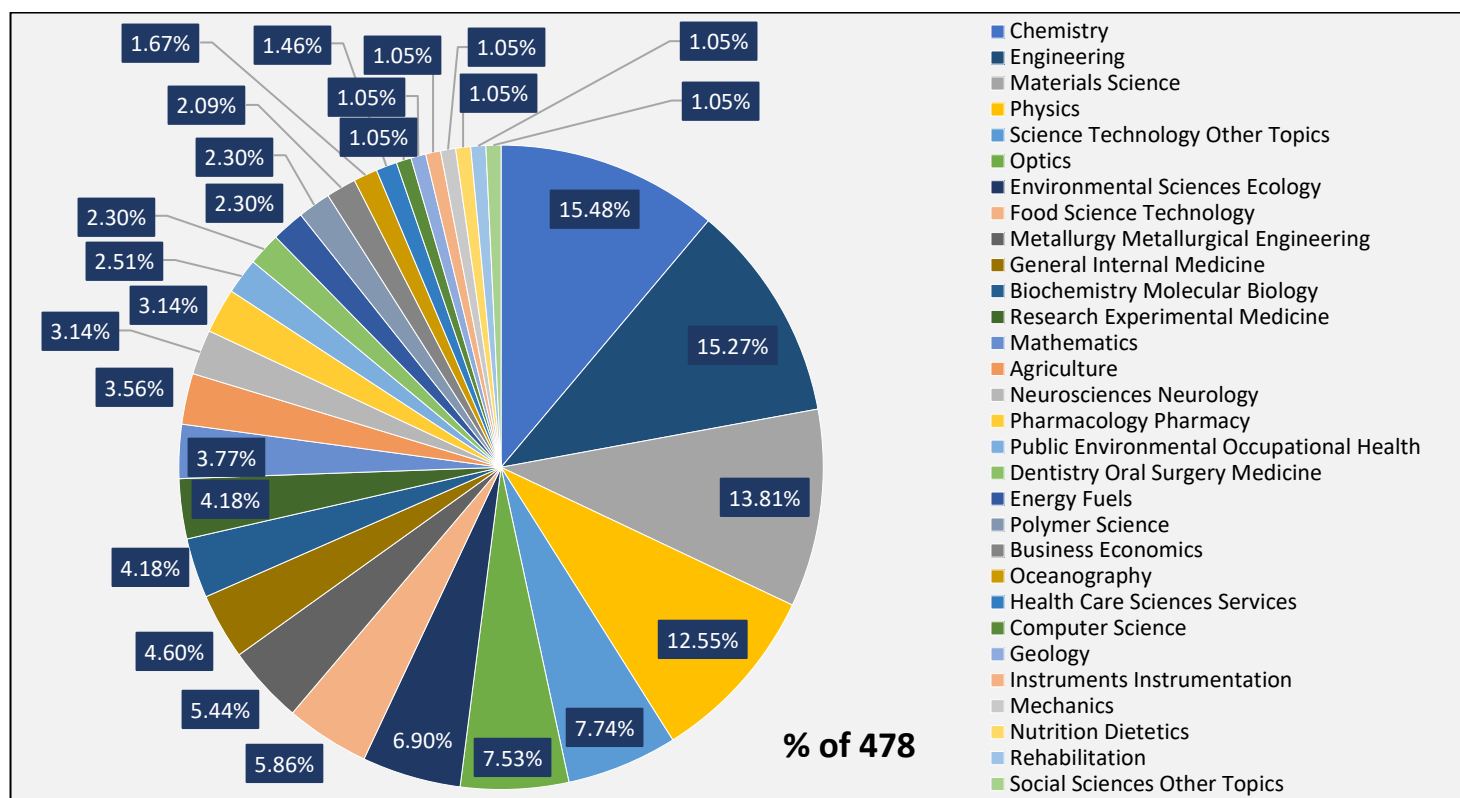
**Fig. 6** Publications by Web of Science Categories, >2% of 478 publ. (2022)  
 (Source : <https://wcs.webofknowledge.com/>, 15.12.2022)

**Table 4. 2022 PUBLICATIONS BY RESEARCH AREAS, (>1% of 478 publ.)**

No.	Research Areas	Record count December 15, 2022
1.	Chemistry	74
2.	Engineering	73
3.	Materials Science	66
4.	Physics	60
5.	Science Technology Other Topics	37
6.	Optics	36
7.	Environmental Sciences Ecology	33
8.	Food Science Technology	28
9.	Metallurgy Metallurgical Engineering	26
10.	General Internal Medicine	22
11.	Biochemistry Molecular Biology	20
12.	Research Experimental Medicine	20
13.	Mathematics	18
14.	Agriculture	17
15.	Neurosciences Neurology	15
16.	Pharmacology Pharmacy	15
17.	Public Environmental Occupational Health	12
18.	Dentistry Oral Surgery Medicine	11
19.	Energy Fuels	11
20.	Polymer Science	11
21.	Business Economics	10
22.	Oceanography	8
23.	Health Care Sciences Services	7
24.	Computer Science	5
25.	Geology	5
26.	Instruments Instrumentation	5
27.	Mechanics	5

28.	Nutrition Dietetics	5
29.	Rehabilitation	5
30.	Social Sciences Other Topics	5

(Source: <https://wcs.webofknowledge.com/>, 15.12.2022)



**Fig. 7** Publications by Research Areas, >1% of 478 publications (2022)

(Source : <https://wcs.webofknowledge.com/>, 15.12.2022)

Table 5. DOCUMENTS BY TYPE (01.01.2021 - 15.12.2022)

Document type	Record Count December 15, 2022
Article	417
Review	34
from wich: <b>Early Access</b>	6
Other	27

(Source: <https://wcs.webofknowledge.com/>, 15.12.2022)

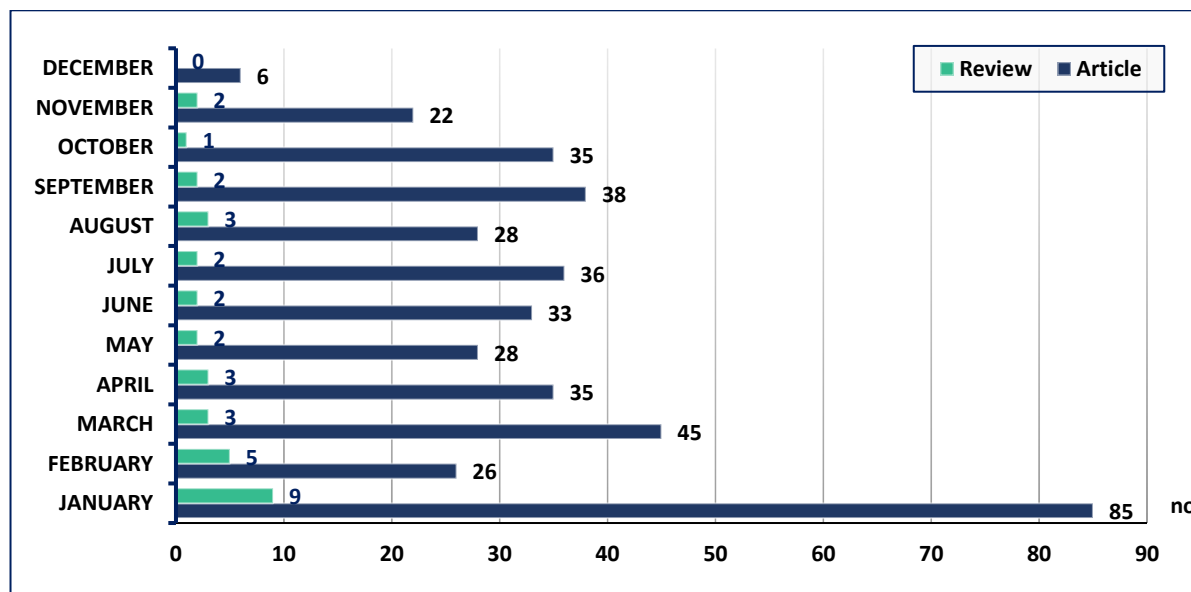


Fig. 8 Publications by type, 2022  
 (Source: <https://wcs.webofknowledge.com/>, 15.12.2022)



Table 6. PUBLICATION TITLES 2022, by Record Count, >1% of 478 publ.

No.	Publication Titles	Impact Factor (2021)	Record count December 15, 2022
1.	APPLIED SCIENCES BASEL	2.838	21
2.	EXPERIMENTAL AND THERAPEUTIC MEDICINE	2.751	18
3.	OPTIK	2.84	18
4.	SUSTAINABILITY	3.889	18
5.	2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY CONTROL AND COMPUTING ICSTCC	-	15
6.	INTERNATIONAL CONFERENCE ON SYSTEM THEORY CONTROL AND COMPUTING	-	15
7.	BRAIN BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE	-	13
8.	INVENTIONS	-	13
9.	ROMANIAN JOURNAL OF ORAL REHABILITATION	-	11
10.	MATERIALS	3.748	11
11.	MATHEMATICS	2.592	10
12.	OPEN CHEMISTRY	1.977	10
13.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	4.614	9
14.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY JMR T	6.267	8
15.	MEDICINA LITHUANIA	2.948	8
16.	POLYMERS	4.967	8
17.	FOODS	5.561	7
18.	JOURNAL OF MARINE SCIENCE AND ENGINEERING	2.744	7
19.	OPTOELECTRONICS AND ADVANCED MATERIALS RAPID COMMUNICATIONS	0.556	7
20.	SYMMETRY BASEL	2.94	7
21.	ARCHIVES OF METALLURGY AND MATERIALS	0.633	6
22.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	6.208	6

23.	MOLECULES	4.927	6
24.	ANTIOXIDANTS	7.675	5
25.	BALNEO AND PRM RESEARCH JOURNAL	-	5
26.	CHAOS SOLITONS FRACTALS	9.922	5
27.	MATERIALE PLASTICE	0.782	5
28.	SCIENTIFIC PAPERS SERIES MANAGEMENT ECONOMIC ENGINEERING IN AGRICULTURE AND RURAL DEVELOPMENT	-	5

(Source: <https://wcs.webofknowledge.com/>, 15.12.2022)