

Candidatul BRĂNOIU N. GHEORGHE-ADRIAN
îndeplinește/nu îndeplinește condițiile minimale pentru susținerea tezei de abilitare
în domeniul MINE, PETROL ȘI GAZE

FIȘA DE VERIFICARE
pentru susținerea tezei de abilitare în domeniul MINE, PETROL ȘI GAZE

1. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	Domeniul	Perioada	Titlul științific acordat
1	Universitatea Petrol-Gaze din Ploiesti	Mine, Petrol si Gaze	1999-2007	Doctor inginer in Mine, Petrol și Gaze, titlu acordat prin Ordinul Ministrului Educației și Cercetării nr. 1418 din 29.06.2007

2. Îndeplinirea standardelor minimale (conform Anexei 12 – OM nr. 6129/2016):

Nr.crt.	Domeniul activității	Tipul activităților	Categoriile și restricții	Subcategoriile	Indicatori	Punctajul realizat de candidat
1	Activitate didactică și profesională (A1)	1.1. Cărți și capitole în cărți de specialitate	1.1.1. Cărți/capitole ca autor pentru Profesor/CSI minimum 4, din care 1 prim autor, Conferențiar/CSII minimum 2	1.1.1.1. internaționale 1.1.1.2. naționale 1. Frunzescu D., Branoiu G., 2002, Geologie generală aplicată în foraj-extracție, 220 p., Editura UPG Ploiești, ISBN 973-8150-45-0 2. Frunzescu D., Branoiu G., 2003, Geologie de zăcământ, vol. 1, 272 p., Editura UPG Ploiești. ISBN 973-7965-01-9 3. Frunzescu D., Branoiu G., 2003, Geologie de zăcământ, vol. 2, 206 p., Editura UPG Ploiești. ISBN 973-7965-02-7 4. Frunzescu D., Branoiu G., 2004, Monografia geologică a bazinului râului Buzău, 458 p., Editura UPG Ploiești. ISBN 973-7965-03-5 5. Branoiu G., 2019, General Framework of exploration-production activities in Romania, 174 pag., Editura UPG Ploiești. ISBN 978-973-719-754-2	Nr.pagini / (nr.autori) Nr.pagini / (2*nr.autori) 220/(2*2)=55 272/(2*2)=68 206/(2*2)=51,5 458/(2*2)=114,5 174/(2*1)=87,0	376

			1.1.2. Cărți/capitole ca editor/coordonator	1.1.2.1. internaționale	Nr.pagini / (3*nr.autori)	
				1.1.2.2. naționale	Nr.pagini / (3*nr.autori)	
	1.2. Suport didactic	1.2.1. Manuale, sport de curs pentru Profesor/CSI: minimum 2, din care 1 ca prim autor; pentru Conferențiar/CSII: minimum 1		1. Georgescu O., Branoiu G., 2007, Mineralogie, 283 p., Editura UPG Ploiești. ISBN 978-973-719-208-0 2. Georgescu O., Branoiu G., 2010, Mineralogie si petrologie, 421 p., Editura UPG Ploiești. ISBN 978-973-719-340-7 3. Branoiu G., 2018, Mineralogie vol.1 Cristalografie, 278 p., Editura UPG Ploiești. ISBN 978-973-719-743-6	Nr.pagini/ (6*nr.autori) 283/(6*2)= 23,58 421/(6*2)= 35,08 278/(6*1)= 46,33	104,99
		1.2.2. Îndrumare de laborator/aplicații: pentru Profesor/CSI- minimum 2, din care 1 prim autor; Conferențiar/CSII- minimum 1		1. Branoiu G., 2017, Cristalografie si Mineralogie, 365 p., Editura UPG Ploiești. ISBN 978-973-719-697-2 2. Georgescu O., Branoiu G., 2005, Mineralogie descriptivă, 285 p., Editura UPG Ploiești. 3. Frunzescu D., Branoiu G., 2004, Geologie generală și stratigrafică, 150 p., Editura UPG Ploiești. 4. Georgescu O., Branoiu G., 2003, Cristalografie geometrică, 154 p., Editura UPG Ploiești.	Nr.pagini / (6*nr.autori) 365/(6*1)= 60,83 285/(6*2)= 23,75 150/(6*2)= 12,50 154/(6*2)= 12,83	109,91
	1.3. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, Socrates, Leonardo, s.a)	Punctaj unic pentru fiecare activitate				

2	Activitate de cercetare (A2)	2.1. Articole în reviste cotate ISI Thomson Reuters și în volumele indexate ISI proceedings	Minimum 10 articole pentru Profesor/CSI (23 articole ISI)	<ol style="list-style-type: none"> 1. Dumitrache, L.N.; Suditu, S.; Ghețiu, I.; Pană, I.; Brănoiu, G.; Eparu, C. <i>Using Numerical Reservoir Simulation to Assess CO2 Capture and Underground Storage. Case Study on a Romanian Power Plant and Its Surrounding Hydrocarbon Reservoirs</i>. Processes 2023, 11, 805. https://doi.org/10.3390/pr11030805 2. Pană, I.; Ghețiu, I.V.; Stan, I.G.; Dinu, F.; Brănoiu, G.; Suditu, S. <i>The Use of Hydraulic Fracturing in Stimulation of the Oil and Gas Wells in Romania</i>. Sustainability 2022, 14, 5614. https://doi.org/10.3390/su14095614 3. Usman, A.K.; Cursaru, D.L.; Brănoiu, G.; Șomoghi, R.; Manta, A.M.; Matei, D.; Mihai, S., 2022, <i>A Modified Sol–Gel Synthesis of Anatase {001}-TiO2/Au Hybrid Nanocomposites for Enhanced Photodegradation of Organic Contaminants</i>. Gels, 8, 728. https://doi.org/10.3390/gels8110728 4. Branoiu G., Ramadan I., <i>Rietveld structure refinement of the stilbite crystals from Deccan traps (India) using x-ray powder diffraction data</i>, REV.CHIM.(Bucharest), vol. 70, No. 7, 2019, p. 2379-2384, http://www.revistadechimie.ro/pdf/17%20BRANOIU%207%2019.pdf 5. Mihai S., Cursaru D.L., Matei D., Manta A.M., Șomoghi R., Brănoiu G., <i>Rutile Ru,Ti₂O₇ nanobelts to enhance visible light photocatalytic activity</i>, Scientific Reports, ISSN 2045-2322, 2019, 9, p.1-8 (DOI: 10.1038/s41598-019-55446-7), https://www.nature.com/articles/s41598-019-55446-7 6. Branoiu G., Cristescu T., Nistor I., 2018: <i>Estimation of the Combustion Temperature Profile in a Romanian Oil Field</i>, Revista de chimie (Bucharest), vol.69, no.10, p. 2669-2676, ISSN 0034-7752, http://www.revistadechimie.ro/pdf/14%20BRANOIU%2010%2018.pdf 7. Cursaru, D.L., Nassreddine, S., Riachi, B., Neagu, M., Mihai, S., Matei, D., Branoiu, G., 2018: <i>Impact of moisture on the corrosion behavior of copper and mild carbon steel in corn biodiesel</i>, Corrosion Reviews, 36 (6), pp. 559-574, ISSN 0334-6005, https://doi.org/10.1515/corrrev-2018-0015 8. Branoiu G., Cristescu T., 2017, <i>On Some Chemico-Mineralogical Transformations in a Petroleum Reservoir Exploited by In-situ Combustion</i>, REV.CHIM. (Bucharest), vol. 68, no. 2, p. 311-316, ISSN 0034-7752, http://www.revistadechimie.ro/pdf/BRANOIU%20Gh%202%2017.pdf 9. Branoiu G., Frunzescu D., Stoicescu M., 2016, <i>Application of advanced mineralogical techniques to reservoir rocks characterization for an oilfield in South-East Romania</i>, Conference Proceedings of SGEM Vienna Green 2016, Book 1, Vol. 4, pp. 33-40, Austria, ISSN 1314-2704, DOI: 10.5593/SGEM2016/HB14/S01.005, http://www.sgem.org/sgemlib/ 	(25+20*factor de impact) / nr.autori (25+20*0,489)/6= 5,79 (25+20*0,879)/6= 7,09 (25+20*0,859)/7= 6,02 (25+20*1,755)/2=30,05 (25+20*4,576)/6=19,42 (25+20*1,412)/3=17,74 (25+20*1,66)/7=8,31 (25+20*1,232)/2=24,82 (25+20*0)/3=8,33	346,81
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				10. Frunzescu D., Branoiu G. , 2016, <i>Hydrological-hydrogeological and geotechnical remarks concerning the management of the anthropomorphic saline lake of the Telega Baths (Romania)</i> , Conference Proceedings of SGEM Vienna Green 2016 , Book 3, Vol. 3, pp. 165-172, Austria, ISSN 1314-2704, DOI: 10.5593/SGEM2016/HB33/S02.021, http://www.sgem.org/sgemlib/	(25+20*0)/2 =12,5	
				11. Branoiu G. , Stoicescu M., Stoianovici D., 2016, <i>Mineralogical and petrographic characteristics of the Miocene reservoir rocks from Baicoi oil field (Carpathian Foredeep, Romania)</i> , Conference Proceedings of the 16th International Multidisciplinary Scientific Geoconference SGEM 2016, Bulgaria, Book 1, Vol. 1, pp. 405-412. ISSN 1314-2704, DOI: 10.5593/SGEM2016/B11/S01.051, http://www.sgem.org/sgemlib/	(25+20*0)/3 =8,33	
				12. Branoiu G. , Ciocirdel M., 2016, <i>Inference of the Cretaceous rocks lithology from Corbii Mari oil field (Moesian Platform) by mineralogical-petrographic analysis of drill cuttings</i> , Conference Proceedings of the 16th International Multidisciplinary Scientific Geoconference SGEM 2016, Bulgaria, Book 1, Vol. 1, pp. 265-272. ISSN 1314-2704, DOI: 10.5593/SGEM2016/B11/S01.034, http://www.sgem.org/sgemlib/	(25+20*0)/2 =12,5	
				13. Branoiu G. , Cristescu T., Stoicescu M., Stoica M.E., Suditu S., 2016, <i>Mineralogical monitoring of water quality using X-rays diffraction in the exploitation of a petroleum reservoir</i> , REV.CHIM.(Bucharest), vol. 68, No. 2, p. 323-328, ISSN 0034-7752, http://www.revistadechimie.ro/	(25+20*0,8 1)/5=8,24	
				14. Branoiu G. , Cristescu T., Stoicescu M., Stoica M.E., Suditu S., 2015, <i>Mineralogical investigations by X-rays diffraction to identify the causes of blocking filters in the injection process of connate water for an oil field in Romania</i> , REV.CHIM. (Bucharest), vol. 66, No. 11, p. 1860-1863, ISSN 0034-7752, http://www.revistadechimie.ro/	(25+20*0,8 1)/5=8,24	
				15. Branoiu G. , Sonia M., Cursaru D.L., 2015, <i>Rietveld Structure Refinement of the Stibnite Crystals from Herja (Romania) using X-ray Powder Diffraction Data</i> , REV.CHIM. (Bucharest), vol. 66, No. 6, p. 825-828, ISSN 0034-7752, http://www.revistadechimie.ro/	(25+20*0,8 1)/3=13,73	
				16. Cursaru D.L., Branoiu G. , Ramadan I., Miculescu F., 2014, <i>Degradation of automotive materials upon exposure to sunflower biodiesel</i> , Industrial Crops and Products (Elsevier), vol. 54, p. 149-158, ISSN 0926-6690, http://www.sciencedirect.com/science/article/pii/S0926669014000399	25+20*2,83 7)/4=20,40	
				17. Cristescu, T., Stoica, M.E., Brănoiu, G. , Negreanu-Pirjol, T., 2014, <i>Evaluation and Comparing the Carbon Dioxide Emission Coefficients of the Combustion of Gaseous and Liquid Hydrocarbons</i> , REV.CHIM.(Bucharest), 2014, vol 65, nr.7, p.856-860, ISSN 0034-7752, http://www.revistadechimie.ro/	(25+20*0,8 1)/4=10,30	

			<p>19. Branoiu G.A., 2015, <i>Mineralogical and petrographic characteristics of the reservoir rocks from Calinesti-Oarja oil field (Getic Depression, Romania)</i>, Conference Proceedings of the 15th International Multidisciplinary Scientific Geoconference SGEM 2015, Bulgaria, Book 1, Vol. 1, pp. 291-298, ISSN 1314-2704; DOI: 10.5593/SGEM2015/B11/S1.037. http://www.sgem.org/sgemlib/</p> <p>20. Branoiu G.A., 2015, <i>Mineralogical and petrographic characteristics of the reservoir rocks from Independenta oil field (Predobrogean Depression, Romania)</i>, Conference Proceedings of the 15th International Multidisciplinary Scientific Geoconference SGEM 2015, Bulgaria, Book 1, Vol. 1, pp. 299-306, ISSN 1314-2704; DOI:10.5593/SGEM2015/B11/S1.038. http://www.sgem.org/sgemlib/</p> <p>21. Branoiu G.A., Cristescu T., 2013, <i>The Rietveld structure refinement of the wollastonite-2M crystals from Baita Bihor deposit (Romania) using X-ray powder diffraction data</i>, Conference Proceedings of the 13th International Multidisciplinary Scientific Geoconference SGEM 2013, Bulgaria, Vol. 1, pp. 217-224, ISSN 1314-2704; DOI:10.5593/SGEM2013/BA1.V1/S01.030. http://sgem.org/sgemlib/</p> <p>22. Ciocirdel M., Branoiu G.A., 2013, <i>The Rietveld structure refinement of the epidote crystals from Bucegi conglomerates (Romania) using X-ray powder diffraction data</i>, Conference Proceedings of the 13th International Multidisciplinary Scientific Geoconference SGEM 2013, Bulgaria, vol. 1, pp. 209-216, ISSN 1314-2704; DOI:10.5593/SGEM2013/BA1.V1/S01.029. http://sgem.org/sgemlib/</p> <p>23. Branoiu G.A., 2012, <i>Rietveld structure refinement of the barite crystals from Somova (Romania) using X-ray powder diffraction data</i>, Conference Proceedings of the 12th International Multidisciplinary Scientific Geoconference SGEM 2012, vol. 1, p. 357-362, Bulgaria, ISSN 1314-2704; DOI:10.5593/SGEM2012/S01.V1042, http://sgem.org/sgemlib/</p> <p>24. Branoiu G.A., 2012, <i>Rietveld structure refinement of the selenite gypsum from Valea Rea (Romania) using X-ray powder diffraction data</i>, Conference Proceedings of the 12th International Multidisciplinary Scientific Geoconference SGEM 2012, vol. 1, p. 363-368, Bulgaria, ISSN 1314-2704; DOI:10.5593/SGEM2012/S01.V104, http://sgem.org/SGEMLIB/</p>	<p>(25+20*0)/1=25</p> <p>(25+20*0)/1=25</p> <p>(25+20*0)/2=12,50</p> <p>(25+20*0)/2=12,50</p> <p>(25+20*0)/1=25</p> <p>(25+20*0)/1=25</p>	
		Minimum 6 articole pentru Conferențiar/CSII		(25+20*fact or de impact) /nr.autori	

		<p>2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale</p>	<p>Minimum 20 articole pentru Profesor /25 articole pentru CSI (60 articole BDI)</p>	<ol style="list-style-type: none"> 1. Frunzescu D., Branoiu G., Lungu I., <i>Analysis of the causes of circulation loss in the Lower Cretaceous deposits during the horizontal drilling undercrossing the Danube River (Giurgiu-Ruse section)</i>, Romanian Journal of Petroleum & Gas Technology, vol.3, No.2/2022, 77-90 2. Branoiu G., Dinu F., Stoicescu M., Ghetiu I., Stoianovici D., 2021, <i>Half a century of continuous oil production by in-situ combustion in Romania – case study Suplacu de Barcau field</i>, MATEC Web of Conferences, Vol. 343, 09009 (2021), 10th International Conference – MSE 2021. (SCOPUS) DOI: 10.1051/mateconf/202134309009 3. Branoiu G., Lazar A., Ghetiu, I., Suditu, S., Pelin, S., <i>Deciphering the Reservoir Rocks Lithology by Mineralogical Investigations Techniques for an Oilfield in South-West Romania</i>, MATEC Web of Conferences; Vol. 343, 09013 (2021). 10th International Conference – MSE 2021. (SCOPUS) DOI: 10.1051/mateconf/202134309013 4. Branoiu G., Cehlarov A., Cursaru D., Mihai S., <i>Celestine from Valea Sarii (Vrancea region): New Data and Crystal Structure Refinement</i>, REV.CHIM. (Bucharest), 71 (8), 2020, 72-79 (SCOPUS) 5. Branoiu G., Dinu F., Stoica M.E., Suditu S., Ramadan I., <i>About the Chemico-Mineralogical Characteristics of the Rocks from a Natural Gas Deposit in North-Western Romania</i>, REV.CHIM. (Bucharest), 71 (9), 2020, 251-259 (SCOPUS) 6. Branoiu G., Frunzescu D., Nistor I., Goidescu N.M., Lungu I.A., <i>On some chemico-mineralogical characteristics of the reservoir rocks in the Moreni oil field (Carpathian Foredeep, Romania)</i>, Proceedings of the 19th International Conference SGEM 2019, vol. 19, iss. 1.1, pp. 391-398, 2019 (SCOPUS) 7. Frunzescu D., Branoiu G., Georgescu (Jugastreanu) C., Lungu I.A., <i>Advanced techniques for determining parameters of interest in the shale gas exploration</i>, Proceedings of the 19th International Conference SGEM 2019, vol. 19, iss. 1.2, pp. 615-626, 2019 (SCOPUS) 8. Goidescu N.M., Marinescu C.M., Cristescu T., Branoiu G., <i>The play of reservoir characterization in the field development plan – case study on the oil field (Romania)</i>, Proceedings of the 19th International Conference SGEM 2019, vol. 19, iss. 1.1, pp. 655-662, 2019 (SCOPUS) 9. Frunzescu D., Branoiu G., Lungu I.A., <i>Shale gas exploitation in the vision of different features within Europe (Romania) vs United States</i>, Proceedings of GEOLINKS International Conference 2019, Athens, Greece, vol.1, pp. 155-163 (CROSSREF) 10. Goidescu N.M., Cristescu T., Branoiu G., Marinescu C.M., Badica M.N., <i>The role of 3D seismic interpretation for building structural model – case study in the Muntenia oil field (Romania)</i>, Proceedings of GEOLINKS International Conference 2019, Athens, Greece, vol.1, pp. 97-103 (CROSSREF) 	<p>25/nr.autori 25/3=8,33 25/5=5 25/5=5 25/4=6,25 25/5=5 25/5=5 25/4=6,25 25/4=6,25 25/3=8,33 25/5=5</p>	<p>540,78</p>
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				11. Lungu I.A., Frunzescu D., Dinu F., Branoiu G. , Jugastreanu C., <i>Some aspects regarding the underground storage of natural gas in saline deposits</i> , Proceedings of GEOLINKS International Conference 2019, Athens, Greece, book 1, vol.1, pp. 193-199 (CROSSREF)	25/5=5	
				12. Branoiu G. , Frunzescu D., Nistor I., Jugastreanu C., Lungu I.A., <i>Is there a future for oil and gas exploration in Romania ?</i> , Proceedings of GEOLINKS International Conference 2019, Athens, Greece, book 1, vol.1, pp. 183-191 (CROSSREF)	25/5=5	
				13. Branoiu G. , Ciocirdel M., Frunzescu D., <i>Petrographic details in the metaclasts of a debritic facies of the Podu-Secu formation in the Tarcău Unit of the Eastern Carpathians (Siriu Dam Area)</i> , Bul. UPG Ploiesti, vol. 71, no. 1, pp. 48-58, 2019	25/3=8,33	
				14. Suditu S., Stoica M.E., Branoiu G. , Cristescu T., Badica M., <i>LPG – A viable fuel alternative</i> , Bul. UPG Ploiesti, vol. 71, no. 2, pp. 55-62, 2019 (EBSCO)	25/5=5	
				15. Branoiu G. , Cursaru D., Mihai S., Ramadan I., <i>Rietveld Structure Refinement of the Apophyllite Crystals from Deccan Basalt Plateau Using X-ray Powder Diffraction Data</i> , REV.CHIM.(Bucharest), Vol. 70, No 12/2019, p. 4248-4254 (SCOPUS)	25/4=6.25	
				16. Branoiu, G. , 2018: <i>Deciphering the reservoir rocks lithology by mineralogical investigations techniques for an oilfield in Eastern Getic Depression (Romania)</i> , Proceedings of the 18th International Scientific Conference SGEM 2018, Vol. 18, Issue 1.1, p. 67-74, Albena, Bulgaria, ISSN 1314-2704, (SCOPUS) DOI:10.5593/sgem2018/1.1/S01.009	25/1=25	
				17. Branoiu G. , Frunzescu D., Ciocirdel M., 2018, <i>Petrographic Study of the Detrital Rocks Lithoclasts in the Eocene Paraconglomerates of the Podu-Secu Formation in the Tarcău Unit of the Eastern Carpathians (Siriu Dam Area)</i> , Bul. UPG Ploiești, vol. LXX, Seria Tehnica, nr. 1/2018, p. 1-10, ISSN 1224-8495 (EBSCO)	25/3=8,33	
				18. Frunzescu D., Branoiu G. , Ciocirdel M., 2018, <i>Petrographic Study of Limestone Lithoclasts in the Paraconglomeratic Eocene facies of the Podu Secu Formation in the Tarcău Unit of the Eastern Carpathians (Upper Part of the Buzău Valley)</i> , Bul. UPG Ploiești, vol. LXX, Seria Tehnica, nr. 1/2018, p. 17-28, ISSN 1224-8495 (EBSCO).	25/3=8,33	
				19. Ciocirdel M., Frunzescu D., Branoiu G. , 2018, <i>Petrographic Study of the Magmatic Rocks Lithoclasts Belonging to the Eocene Paraconglomerate Facies of the Podu Secu Formation in the Tarcău Unit of the Eastern Carpathians (Buzău Valley)</i> , Bul. UPG Ploiești, vol. LXX, Seria Tehnica, nr. 2/2018, p. 63-71, ISSN 1224-8495 (EBSCO)	25/3=8,33	
				20. Barbu, I.E., Branoiu, G. , 2018: <i>Depositional systems for the sedimentary deposits from the Lighidia perimeter, Bozovici, Caraș-Severin county</i> , Romanian Journal of Mineral Deposits, vol. 91, nr. 1-2, p. 55-60, ISSN 1220-5648, (ZENODO), DOI: 10.5281/zenodo.4038986	25/2=12,5	

				21. Frunzescu D., Branoiu G. , 2016, <i>Sedimentological setting of debris flows from Paleogene-Miocene formations of Tarcau Unit in the Siriu Dam area (Buzau Valley)</i> , Bul. UPG Ploiești, vol.LXVIII, Ser.Tehnica, Nr. 2, p. 1-12, ISSN 1224-8495 (EBSCO)	25/2=12,5	
				22. Frunzescu D., Georgescu O., Branoiu G. , 2016, <i>Geologic-geotechnical assessment for leaning tower antenna GSM Cosmote "Sinaia-Cota 1000"</i> , Bul. UPG Ploiești, vol.LXVIII, Ser.Tehnica, Nr. 3, p.27-32, ISSN 1224-8495 (EBSCO)	25/3=8,33	
				23. Georgescu O., Frunzescu D., Crihan I.M., Branoiu G. , Lungu I., 2016, <i>Geologic and stratigraphic-geomorphologic considerations as premises of the diagnosis of the current exploitation conditions of the Telega Baths anthropomorphic saline lake</i> , Bul. UPG Ploiești, vol. LXVIII, Seria Tehnica, Nr. 3, p. 33-40, ISSN 1224-8495 (EBSCO)	25/5=5	
				24. Branoiu G. , Ciocirdel M., Georgescu O., Frunzescu D., 2015, <i>The mineralogical-petrographic study of cores from the Oligocene-Miocene deposits of the Targu-Jiu oil field (Getic Depression)</i> , Bul. UPG Ploiești, vol. LXVII, Seria Tehnica, Nr. 2/2015, p. 73-78, ISSN 1224-8495 (EBSCO)	25/4=6,25	
				25. Branoiu G. , Georgescu O., 2014, <i>The Rietveld structure refinement of the marcasite crystals from Herja ore deposit using X-ray powder diffraction data</i> , Bul. UPG Ploiești, vol. LXVI, Seria Tehnica, Nr. 2/2014, p. 13-18, ISSN 1224-8495 (EBSCO)	25/2=12,5	
				26. Branoiu G. , Ciocirdel M., Șoldan C., 2013, <i>The mineralogical-petrographic study of cores from the Miocene deposits of the Ticleni oil field (Getic Depression)</i> , Bul. UPG Ploiești, vol. LXV, Ser.Tehnica, Nr. 2, p.21-28, ISSN 1224-8495 (EBSCO)	25/3=8,33	
				27. Iamandei S., Iamandei E., Frunzescu D., Branoiu G. , 2012, <i>New Petrified Woods from the Curvature Carpathians</i> , Romanian Journal of Earth Sciences, vol. 86, issue 2, p. 67-89. ISSN 2248-2563 (EBSCO)	25/4=6,25	
				28. Branoiu G. , Ciocirdel M., 2012, <i>Metamorphosed igneous rocks study from Valea Satului (Almăj Mountains)</i> , Bul. UPG Ploiești, vol. LXIV, Seria Tehnica, Nr. 1/2012, p. 29-40, ISSN 1224-8495. (EBSCO)	25/2=12,5	
				29. Branoiu G. , Ciocirdel M., Georgescu O., 2011, <i>Study of plagioclastic metamorphic rocks from western part of Neamțu crystalline unit from Valea Satului (Almăj Mountains)</i> , Bul. UPG Ploiești, vol. LXIII, Seria Tehnica, Nr. 3/2011, p. 5-14, ISSN 1224-8495 (EBSCO)	25/3=8,33	
				30. Branoiu G. , Georgescu O., 2011, <i>Rietveld structure refinement of the kyanite crystal from Negovanu (Sebeș-Lotru series) using X-ray powder diffraction data</i> , Bul. UPG Ploiești, vol. LXIII, Seria Tehnica, Nr. 2/2011, p. 19-24. ISSN 1224-8495 (EBSCO)	25/2=12,5	
				31. Cehlarov A., Frunzescu D., Branoiu G. , 2010, <i>Mineralogical-petrographical details on the clastes of rudites from olistolithes conglomerates within Badenian Salt Breccia from Bădila (Buzău Valley)</i> , Bul. UPG Ploiești, vol. LXII, Seria Tehnica, Nr. 3B/2010, p. 230-242, ISSN 1224-8495. (EBSCO)	25/3=8,33	

				32. Frunzescu D., Georgescu O., Cehlarov A., Branoiu G. , 2010, <i>On the Sarmatian tuff at the basis of limestone quarry from Năeni (Buzău County)</i> , Bul. UPG Ploiești, vol. LXII, Seria Tehnica, Nr. 3B/2010, p. 219-225, ISSN 1224-8495 (EBSCO)	25/4=6,25	
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				53. Frunzescu D., Branoiu G. , 2003, <i>Diagnoza ambianțelor sedimentare evaporitice miocene pe baza structurilor sedimentare specifice</i> , Bul. UPG Ploiești, vol. LV, Seria Tehnică, nr. 3, p. 88-97. ISSN 1221-9371	25/2=12,5	

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		Minimum 10 pentru Conferențiar/CSII		20/nr. autori	
	2.3. Proprietate intelectuală, brevete de invenție		2.3.1. internaționale	35/nr. autori	
			2.3.2. naționale	25/nr. autori	
	2.4. Granturi/proiecte câștigate prin competiție	2.4.1. Director responsabil-minimum 2 pentru Profesor/CSI; minimum 1 pentru Conferențiar/CSII	2.4.1.1. internaționale	30* ani de desfășurare 30*2=60	120
			<p>1. Contract EEA 2019/107379: Hybrid system for energetic efficiency using geothermal energy, applied in UPG campus in Ploiesti, durata 24 luni (2022-2023), valoare totala 1.595.000 EUR</p> <p>2. Contract 4492/2017: X-Ray diffraction investigations on cores, durata 24 luni, Beneficiar OMV PETROM S.A., valoare 33000 EUR</p>	30*2=60	

				2.4.1.2. naționale	15* ani de desfășurare	90
				1. Contract 4996/2019: X-Ray Diffraction investigations on rock samples from cores, durata 24 luni, Beneficiar OMV-PETROM, valoare totala 40000 EUR	15*2=30	
				2. Contract 1142/2019: Cercetari mineralogice prin difracție de raze X pe probe/carote, durata 24 luni, Beneficiar Amromco Energy, valoare totala 34000	15*2=30	
				3. Contract 7163/2016: Investigatii XRD pe probe de carote in scopul stabilirii compozitiei mineralogice globale a acestora, Beneficiar OMV PETROM S.A., valoare totala 25000	15*1=15	
				4. Contract 4147/2011: X-rays diffraction investigations on cores, Beneficiar OMV-PETROM S.A., valoare totala 25000 EUR	15*1=15	
			2.4.2. Membru în echipă	2.4.2.1. internaționale	10* ani de desfășurare	
				2.4.2.1. naționale	5* ani de desfășurare	45
				1. Grant INFOSOC UPG 95/2002: Simulator pentru antrenarea în prevenirea și combaterea manifestărilor eruptive la sondele de petrol și gaze. Beneficiar MEC – ANCS	5*1=5	
				2. Contract 34C/2005: Studiu vizând evaluarea potențialului de hidrocarburi al principalelor bazine de sedimentare din România. Beneficiar: Ministerul Educației și Cercetării	5*1=5	
				3. Contract 745/2006 – etapa 4 (2007) + etapa 5 (2008): Căi și posibilități pentru reducerea consumului de energie la forarea sondelor de petrol și gaze; Beneficiar Ministerul Educației și Cercetării/ANCS – MENER	5*1=5	
				4. Contract 63/38/2008: Sistem de modelare a operațiilor de punere in productie si de reparatii la sondele de petrol si gaze, Beneficiar Ministerul Economiei	5*1=5	
				5. Contract 27/99001738/2014: Analize prin difracție de raze X pe probe de carote, durata 24 luni, Beneficiar: OMV PETROM SA, valoare 87000 EUR	5*2=10	
				6. Contract 6/2012: Cercetari de santier privind posibilitati mecanice de control si reducere a afluxului de impuritati solide la curgerea gazelor prin zacaminte depletate. Beneficiar ROMGAZ SA Medias - sucursala Tg. Mures, valoare 61000 EUR	5*1=5	
				7. Contract 50/2010: Asupra posibilităților de reluare a exploatării din zăcăminte abandonate. Beneficiar OMV-PETROM S.A., valoare 150000 EUR	5*1=5	
				8. Contract 31/2008: Evaluarea saturației în țitei și a potențialului forajului orizontal în zăcămintele mature: studii de caz; Beneficiar OMV-PETROM S.A., valoare 140000 EUR	5*1=5	

		2.5. Proiecte de cercetare/consultanță (valoare minim 5000 Euro echivalent)	2.5.1. Responsabil	<ol style="list-style-type: none"> 1. Contract 797/2023, Investigații mineralogice prin difracție cu raze X pe probe de roci/carote, beneficiar Newpark Drilling Fluids 2. Contract 10090-2022, Investigații mineralogice prin difracție de raze X pe probe de materiale de construcție, beneficiar SOCERAM 3. Contract 3889-2022, Investigații mineralogice prin difracție de raze X pe probe de materiale de construcție, Beneficiar CELCO SA 4. Contract 1894/2021, Investigații mineralogice prin difracție de raze X pe probe de materiale de construcție, beneficiar SOCERAM 5. Contract 4015/2021, Investigații mineralogice prin difracție cu raze X pe probe de roci/carote, beneficiar Black Oil and Gas SA 6. Contract 9319/2021, Investigații mineralogice prin difracție cu raze X pe probe de roci/carote, beneficiar Newpark Drilling Fluids 7. Contract 10551/2020: Cercetari mineralogice prin difracție de raze X pe materiale solide, Beneficiar CELCO SA 8. Contract 8678/2019: Cercetari mineralogice prin difracție de raze X pe materiale solide, Beneficiar Xella RO SRL 9. Contract 5164/2016: Cercetari mineralogice prin difracție de raze X pe materiale solide, Beneficiar ELECTROCARBON SA Slatina 10. Contract 16 AD/2013: Analize difracție de raze X pe probe de zgura Waelz. Beneficiar: SOMETRA S.A. Copsa Mica 11. Contract 8451620556/2013: Analize difracție raze X pe carote. Beneficiar: OMV PETROM S.A. 12. Contract 8451597056/2012: Analize difracție de raze X pe carote. Beneficiar: OMV PETROM 13. Contract C-12-461/2012: Analize mineralogice prin difracție de raze X pentru stabilirea tipului de rocă și compoziției mineralogice / granulometrice. Beneficiar: AVA Eastern Europe DF&S SRL 14. Contract PSFS/9119/2011: Analiza mineralogică prin difracție de raze X sonda 540. Beneficiar: PETROFAC 15. Contract PSFS/8035/2011: Analiza mineralogică prin difracție de raze X. Beneficiar: PETROFAC 	8* ani de desfășurare	
			2.5.2. Membru în echipă (sunt luate în considerare numai proiectele în care a fost pontat)	<ol style="list-style-type: none"> 1. Contract 6/2016: Analiza mineralogică prin difracție cu raze X a unor probe de materiale de construcție. Benef. Xella RO SRL 2. Contract 5/2015: Cercetari prin difracție de raze X pe probe/carote pentru stabilirea compoziției mineralogice, Beneficiar: ANVERGO SRL Targu Mures 3. Contract 3/2015: Cercetari/analize difractometrice cu raze X pe carote, Beneficiar PETROFAC SRL 	6* ani de desfășurare 14*6*1=84	84

				<p>4. Contract 56/2009: “Studiul curgerii fluidelor prin duzele fixe sau reglabile in scopul cresterii preciziei de calcul a productiei sondelor de gaze”, Beneficiar ROMGAZ SA - sucursala Ploiesti</p> <p>5. Contract 57/2006: Comportarea in exploatare a sondelor de gaze de pe structura Românești în perspectiva utilizării compresorului de câmp; Beneficiar ROMGAZ SA Mediaș</p> <p>6. Contract 19/2004: Studiu privind modernizarea standului de testare a pompelor elicoidale din dotarea S.N.P. PETROM S.A. București, Beneficiar: S.N.P. PETROM S.A.</p> <p>7. Contract 18/2004: Studiul privind influența parametrilor geometrici și cinematici ai pompelor elicoidale asupra regimului de funcționare în condiții reale de lucru. Beneficiar: S.N.P. PETROM S.A.</p> <p>8. Contract 17/2004: Cercetări privind gradul de afectare a caracteristicilor formațiunii productive la traversarea prin foraje și în fazele de completare a sondelor de petrol și gaze. Beneficiar: S.N.P. PETROM S.A.</p> <p>9. Contract 12/2003: Modul de simulare pentru antrenarea interactivă în prevenirea și combaterea manifestărilor eruptive la sondele de extracție. Beneficiar: S.N.P. PETROM S.A.</p> <p>10. Contract 11/2003: Studiul influenței curburii din sondele cu înclinări mari și orizontale asupra coloanelor de tubare și a garniturii de țevi de extracție. Beneficiar: S.N.P. PETROM S.A.</p> <p>11. Contract 21/2002: Studiul privind posibilitățile de înmagazinare a gazelor subterane în zăcămintele depletate – partea a III-a. Beneficiar: S.N.G.N. ROMGAZ S.A. Mediaș – Sucursala Ploiești.</p> <p>12. Contract 19/2002: Condițiile de solicitare ale coloanelor de tubare în sondele dirijate și orizontale. Beneficiar: S.N.P. PETROM S.A.</p> <p>13. Contract 18/2002: Determinarea erorilor metodelor de calcul ale traiectoriei sondelor dirijate. Beneficiar: S.N.P. PETROM S.A.</p> <p>14. Contract 14/1997: Studiul geomorfologic al zonei limitrofe localităților Păcureți-Matița-Podenii Noi, cu privire specială asupra alunecărilor de teren care afectează instalațiile petroliere din zonă. Beneficiar: SNP PETROM SA</p>		
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3	Recunoașterea și impactul activității (A3)	3.1. Citări în reviste ISI și BDI		<p>3.1.1. ISI</p> <p>Articolul ISI citat: Cursaru D.L., Branoiu G., Ramadan I., Miculescu F., 2014, <i>Degradation of automotive materials upon exposure to sunflower biodiesel</i>, <i>Industrial Crops and Products</i> (Elsevier), vol. 54, p. 149-158, ISSN 0926-6690, http://www.sciencedirect.com/science/article/pii/S0926669014000399</p> <p>Articolul în care apare citarea (ISI):</p> <ol style="list-style-type: none"> 1. Meira M. et al, 2014, Oxidative degradation and corrosiveness of biodiesel, <i>Corrosion Reviews</i>. Volume 32, Issue 3-4, p. 143–161, ISSN (Online) 2191-0316, ISSN (Print) 0334-6005, DOI: 10.1515/correv-2014-0011. http://www.degruyter.com/view/j/correv.2014.32.issue-3-4/correv-2014-0011/correv-2014-0011.xml 2. Akhabue C.E., Aisien F.A., Ojo C.O., 2014, The effect of Jatropha oil biodiesel on the corrosion rates of aluminium and mild carbon steel, <i>Biofuels</i>, Volume 5, Issue 5, p. 545-550, DOI:10.1080/17597269.2014.1002995, http://www.tandfonline.com/doi/abs/10.1080/17597269.2014.1002995 3. Mat R., Wan Nor Yuhaid, W.N.A., Kamaruddi, M.J. & Hassan O. (2014). Storage Stability and Corrosive Character of Palm Biodiesel. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i>, 2(1), 8–12. Retrieved from https://www.akademiabaru.com/submission/index.php/arfmts/article/view/2015 4. Thangavelu S.K., Piraiarasi C., Ani F.N., 2015, Corrosion Behaviour of Carbon Steel in Biodiesel–Diesel–Ethanol (BDE) Fuel Blend, 4th International Conference on Engineering and Innovative Materials (ICEIM 2015), <i>MATEC Web of Conferences</i>, 27 (2015) 01011, http://www.matec-conferences.org/articles/mateconf/abs/2015/08/mateconf_iceim2015_01011/mateconf_iceim2015_01011.html 5. Thangavelu S.K., Piraiarasi C., Ahmed A.S., Ani F.N., 2015, Corrosion Behavior of Copper in Biodiesel–Diesel–Bioethanol (BDE), <i>Advanced Materials Research</i>, Vol. 1098, pp. 44-50, DOI:10.4028/www.scientific.net/AMR.1098.44; http://www.scientific.net/AMR.1098.44 6. Jin D., Zhou X., Wu P., Jiang L., Ge H., 2015, Corrosion behavior of ASTM 1045 mild steel in palm biodiesel, <i>Renewable Energy</i>, Volume 81, p. 457-463, DOI:10.1016/J.RENENE.2015.03.022. http://www.sciencedirect.com/science/article/pii/S0960148115002049 7. Thangavelu SK, Ahmed AS, Ani FN, 2016, Impact of metals on corrosive behavior of biodiesel–diesel–ethanol (BDE) alternative fuel, <i>Renewable Energy</i>, Volume 94, p. 1–920, Elsevier, http://www.sciencedirect.com/science/article/pii/S0960148116301999 	8/nr.autori articol citat 75*8/4=150	
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			<p>Articolul BDI citat: Branoiu G., Dinu F., Stoicescu M., Ghetiu I., Stoianovici D., 2021, <i>Half a century of continuous oil production by in-situ combustion in Romania – case study Suplacu de Barcău field</i>, MATEC Web of Conferences, Les Ulis, Vol. 343, 09009 (2021), 10th International Conference on Manufacturing Science and Education – MSE 2021. DOI: 10.1051/mateconf/202134309009</p> <p>Articolul în care apare citarea (ISI):</p> <ol style="list-style-type: none"> Harding, Thomas. "Methods to Enhance Success of Field Application of In-Situ Combustion for Heavy Oil Recovery." SPE Res Eval & Eng 26 (2023): 190–197. doi: https://doi.org/10.2118/210600-PA 	1*4/5=0.80		
			<p>Articolul BDI citat: Goidescu N.M., Marinescu (Badica) C.M., Cristescu T., Branoiu G., 2019, <i>The play of reservoir characterization in the field development plan – case study on the oil field (Romania)</i>, Conference Proceedings of the 19th International Geoconference SGEM 2019, vol. 19, iss. 1.1, pp. 655-662</p> <p>Articolul în care apare citarea (BDI):</p> <ol style="list-style-type: none"> Șeute, L.M., Costin, D.F., Roba, C. A., & Bizău-Cârstea, M.L. (2020). Determination Of Petroleum Hydrocarbons Content In Soils From Suplacu De Barcău, Romania. Studia Universitatis Babes-Bolyai, Ambientum, 65(2). 	1*4/4		
			<p>Articolul BDI citat: Frunzescu D., Georgescu O., Cehlarov A., Branoiu G., 2010, <i>On the Sarmatian tuff at the basis of limestone quarry from Năeni (Buzău County)</i>, Buletinul UPG Ploiești, vol. LXII, Seria Tehnica, Nr. 3B/2010, p. 219-225, ISSN 1224-8495. http://connection.ebscohost.com/articles/59574146/</p> <p>Articolul în care apare citarea (BDI):</p> <ol style="list-style-type: none"> Georgescu, M. I., Peticilă, A. G., Dobrescu, E., & Costache, N. (2022). The Importance of Botanical Survey and Proper Management in the Protection of Rare, Endangered or Vulnerable Species Outside of Protected Areas—Working Example: Hyacinthella leucophaea (K. Koch) Schur. Sci. Pap. Ser. B Hort. Sci. Pap. Ser. B Hort., 66, 685-691. 	1*4/4=1		

			<p>Articolul BDI citat: Branoiu G., Frunzescu D., Nistor I., Jugastreanu (Georgescu) C., Lungu I.A., Is there a future for oil and gas exploration in Romania ?, Proceedings of GEOLINKS International Conference on Geosciences 2019, 1st edition Athens, Greece, book 1, vol.1, pp. 183-191, https://www.geolinks.info/librarv/is-there-a-future-for-oil-and-gas-exploration-in-romania%3F</p> <p>Articolul în care apare citarea (BDI):</p> <ol style="list-style-type: none"> Niță V, Nenciu M, Coatu V. Suitability and Sensitivity of Golden Grey Mullet <i>Chelon auratus</i> (Risso, 1810) as a Reference Fish Species for Ecotoxicity Tests in the Black Sea. <i>Toxics</i>. 2022; 10(5):222. https://doi.org/10.3390/toxics10050222. <p>Articolul BDI citat: Ciocirdel M., Branoiu G., 2008, Mineralogical-petrographical observations on metamorphic transformations in the gabbroids from transitional zone of the Iuți-Tișovița-Plavișevița ophiolitic complex, Buletinul UPG Ploiești, vol. LX, Seria Tehnica, Nr. 4A/2008, p. 273-278. ISSN 1224-8495, http://connection.ebscohost.com/c/articles/42308175/</p> <p>Articolul în care apare citarea (BDI):</p> <ol style="list-style-type: none"> Bolormaa, C., Oyuntsetseg, D., & Bolormaa, O. (2022). Hydrogeochemical study of hot springs in western region of Mongolia. <i>Bulletin of the Institute of Chemistry and Chemical Technology</i>, 10(10), 24–33. https://doi.org/10.5564/bicct.v10i10.1812 	<p>1*4/5=0.80</p> <p>1*4/2=2</p>	
			<p>CITARI CARTI PUBLICATE:</p> <p>Cartea citata: Frunzescu D., Branoiu G., 2004, Monografia geologica a bazinului raului Buzau, Editura Universitatii Petrol-Gaze din Ploiesti.</p> <p>Articole, Carti, Teze doctorat in care apare citarea:</p> <ol style="list-style-type: none"> Ilie, G.C., Grecu, F. Analysis of the Scientific Importance and Vulnerability of the Sarea lui Buzău Geosite Within the Buzău Land UNESCO Global Geopark, Romania. <i>Geoheritage</i> 15, 35 (2023). https://doi.org/10.1007/s12371-023-00806-z Gherghe, Adrian, Dobre, Răzvan Robert, Apotrosoaei, Vlad, Briceag, Andrei, & Melinte-Dobrinescu, Mihaela. (2021). The Bâsca Rozilei river drainage model, Romanian Carpathian belt. <i>Geo-eco-marina</i>, 27 (2021), 37–54. https://doi.org/10.5281/zenodo.5801070 Tulan, E., Radl, M.S., Reinhard, F.S., Tari, G., Witkowski, J., 2020, Hydrocarbon source rock potential of Miocene diatomaceous sequences in Szurdokpüspöki (Hungary) and Parisdorf/Limberg (Austria). <i>Austrian Journal of Earth Sciences</i> 113(1):24-42, DOI: 10.17738/ajes.2020.0002 https://sciendo.com/article/10.17738/ajes.2020.0002 	<p>17*4/2=34</p>	

				<p>4. Tulan, E., Reinhard, F.S., Tari, G., Witkowski, J., Tămaș, D.M., Horvat, A. and Tămaș, A., 2020. Hydrocarbon source rock potential and paleoenvironment of lower Miocene diatomites in the Eastern Carpathians Bend Zone (Sibiciu de Sus, Romania). <i>Geologica Carpathica.</i>, 71(5), pp.424-443. https://dro.dur.ac.uk/32264/1/32264.pdf</p> <p>5. Melinte-Dobrinescu M. C. et al., 2018, Geological investigations and mapping in the Buzău land geopark: State of the art, <i>Geo-Eco-Marina</i> 23(23) p. 133-144, DOI: 10.5281/zenodo.1183516, https://www.geoecomar.ro/website/publicatii/Nr.23-2017/08_MELINTE_2017_web.pdf</p> <p>6. Stoica M., Andrașanu A., Palcu D., Popa R.G., 2017, The Miocene from Buzău area: a geological and geoconservation perspective. Editura Universității din București, ISBN 978-606-16-0913-0, http://www.geopaleontologica.org/page4/2017_Stoica%20et%20al_Ghid%20de%20teren%20Buzau_SPR%202017.pdf</p> <p>7. Melinte-Dobrinescu M.C. et al., 2017, The Geological and Palaeontological Heritage of the Buzău Land Geopark (Carpathians, Romania), <i>Geoheritage</i>, June 2017, Volume 9, Issue 2, pp 225–236, DOI: 10.1007/s12371-016-0202-3, https://link.springer.com/article/10.1007/s12371-016-0202-3</p> <p>8. Popa, A.; Jipa, D.C.; Radan, S.; Melinte-Dobrinescu, M.C.; Brustur, T., 2016, Salt Diapir exotic blocks from Badila nature reserve (Buzau Land Geopark, Romania). A drone-based textural evaluation, <i>Geo-Eco-Marina</i>; Bucharest, Iss. 22, (2016): 119-134, https://search.proquest.com/openview/c0a075195eda12b5d01cb6f3c9d1f631/1?pq-origsite=gscholar&cbl=436316</p> <p>9. Iamandei S., Iamandei E., Frunzescu D., Branoiu G., 2012, New Petrified Woods from the Curvature Carpathians, <i>Romanian Journal of Earth Sciences</i>, vol. 86, issue 2, p. 67-89. ISSN 2248-2563, http://rjes.igr.ro/wp-content/uploads/2013/02/Iamandei-et-al-Curvature-vol-86-2.pdf</p> <p>10. Iamandei E., Iamandei S., 2009, Cercetari paleoxilologice in Oligocenul din Curbura Carpatilor, Proiect Romanit, faza IV, 2009, pag. 71,75, http://www.romanit.ro/files/materiale/rapoarte/fazaIV/9_Paleoxylologie.pdf</p> <p>11. Bacaran V. 2009, Studiul paleomicologic al depozitelor miocene din bazinele văilor Teleajen și Buzău, teza de doctorat, Universitatea Bucuresti, p. 56, http://www.unibuc.ro/studies/Doctorate/2010Ianuarie/Bacaran%20Victor%20-%20Studiul%20paleomicologic%20al%20depozitelor%20miocene%20din%20bazinele%20vailor%20Teleajen%20si%20Buzau/Rezumat%20Teza%20de%20Doctorat.pdf</p> <p>12. Ionel-Gabriel Minea, 2011, Bazinul hidrografic al râului Bâsca - studiu de hidrogeografie, teza de doctorat Universitatea Bucuresti, p.16, 20, 22, http://www.scribd.com/doc/194635187/Minea#scribd/</p>		
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				<p>Cartea citata: Georgescu O., Branoiu G., 2005, Mineralogie descriptiva, îndrumar de lucrari practice, Editura Universitatii Petrol-Gaze din Ploiesti.</p> <p>Articolul in care apare citarea (BDI):</p> <ol style="list-style-type: none"> 1. Valea P., Străjescu E., 2017, Aspect regarding the grinding process of granite used in paper industry, Proceedings in Manufacturing Systems, Vol. 12, Iss. 4, 2017, p. 161-167, ISSN 2067-9238, http://icmas.eu/Journal_archive_files/Vol_12-Issue4_2017_PDF/161-167_VALEA.pdf 2. Mocanu, B., Georgescu, O. (2006). Presence of the chabazite in the volcanic zeolitic tuffs from the Apostolache area. Bul. UPG Ploiesti, Seria Tehnica, 58(3), 107-111. 3. Pitiriciu, S. (2020). Elements d'onomastique dans le lexique de la cristalotherapie. Studii si Cercetari de Onomastica si Lexicologie, 2020, Vol. 13 Issue 1/2, p. 88-93 	3*4/2=6	
		3.2. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și profesor invitat (exclusiv ERASMUS)	Punctaj unic pentru fiecare activitate	<p>3.2.1. internaționale Membru al Juriului la secțiunile 9 și 10 „Prospecting and Exploration of Mineral Deposits, Mineralogy, Petrology, Geochemistry, Hydrogeology, Geological Engineering, and Geophysical Exploration Techniques” la conferința: XVII International Forum-Contest of Students and Young Researchers, "Topical Issues of Rational Use of Natural Resources", Sankt-Petersburg Mining University, June 2021</p> <p>3.2.2. naționale Branoiu G., 31 mai 2007, Mineralogical transformations resulted from secondary exploitation processes of hydrocarbon reservoirs, 31st General Assembly of Bucharest Geoscience Forum, Universitatea București.</p>	10*1=10	10
		3.3. Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice,	Punctaj unic pentru fiecare activitate	<p>3.3.1. ISI</p> <ol style="list-style-type: none"> 1. recenzor publicații grupul MDPI (Energies, Minerals, Atmosphere, Processes) 2. recenzor publicația SPE Journal 3. recenzor publicația Petroleum Science and Technology 	10*3=30	30

	Recenzor pentru reviste și manifestări științifice naționale și internaționale		3.3.2. BDI	6*7=42	42
			1. Membru (secretar) în Comitetul de organizare (secțiunea Geologie-Geofizica) a Sesiunii de Comunicări Științifice a U.P.G. Ploiești din 11-13 Mai 2005		
			2. Membru (secretar) în Comitetul de organizare (secțiunea Geologie-Geofizica) a Conferinței Internaționale “Știință și Tehnologie în Contextul Dezvoltării Durabile” – 6-7 November 2008, U.P.G. Ploiești		
			3.3.3. naționale și internaționale neindexate	3*5=15	15
	3.4. Experiență de management		3.4.1. Conducere (rector, prorector, cancelar, decan, prodecan, director departament, director școală doctorală, director, director adj., șef secție	5* nr.ani	
			3.4.2. Membru organisme conducere (senat, consiliul facultății, cons.departament, cons.admin., cons.științific)	2* nr.ani 2*5=10	10
			1. Secretar al Comisiei de Admitere pe facultate – Facultatea Ingineria Petrolului si Gazelor – 2004		
			2. Secretar al Comisiei de Admitere pe facultate – Facultatea Ingineria Petrolului si Gazelor – 2007		
			3. Secretar al Comisiei de Admitere pe facultate – Facultatea Ingineria Petrolului si Gazelor – 2009		
			4. Secretar al Comisiei Centrale de Admitere – Universitatea Petrol-Gaze din Ploiesti – 2011, 2022		

Condiții opționale

				Punctajul realizat de candidat
3.5. Premii		3.5.1. Academia Română	30	
		3.5.2. ASAS, AOSR, academii de ramură și CNCISIS	15	
		3.5.3.premii internaționale	10	
		3.5.4.premii naționale în domeniu - În anul 2018 am primit DIPLOMA DE EXCELENTA, din partea Universității Petrol-Gaze din Ploiești, pentru contribuția deosebită adusă dezvoltării procesului de învățământ și cercetare	5*1=5	5
3.6. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații de domeniul educației și cercetării	3.6.1. Academia Română		100	
	3.6.2. ASAS, AOSR, academii de ramură și academii de științe din străinătate		40	

	3.6.3. Conducere asociații profesionale	3.6.3.1 internaționale	30	
		3.6.3.2 naționale - Presedinte filiala Ploiesti a Societății Geologice a României (din anul 2018)	10*1=10	10
	3.6.4. Asociații profesionale	3.6.4.1 internaționale 1. Membru SPE, card membru 3248553, din 2006 2. Membru EAGE, card membru M2014-3175, din 2014 3. Membru ISRM (International Society for Rock Mechanics)	10*3=30	30
		3.6.2.2 naționale 1. Membru SGR (Societatea Geologica a Romaniei) din 2000 2. Expert atestat ANRM (Agentia Nationala pentru Resurse Minerale), certificat atestare 1290/2013	5*2=10	10
	3.6.5. Consilii și organizații în domeniul educației și cercetării	3.6.5.1 conducere	15	
3.6.5.2 membru - expert interpretare difracție raze X – certificat training Bruker-AXS Karlsruhe (2009) - specialist interpretare seismică 2D/3D – certificat training Prospectiuni SA Bucuresti (2015)		10*2=20	20	

3. Formula de calcul a indicatorului de merit ($A = A1 + A2 + A3$)

$$A = A1 + A2 + A3 = 590,90 + 1226,59 + 449 = 2266,49 \text{ puncte}$$

Condiții minimale (A_i)					
Nr. crt.	Categoria				
	Domeniul de activitate	Condiții Conferențiar	Nr. realizat de candidat	Condiții Profesor	Nr. realizat de candidat
	Activitate didactică și profesională (A1)	Minimum 60 puncte		Minimum 120 puncte	590,90
	Activitate de cercetare (A2)	Minimum 160 puncte		Minimum 260 puncte	1226,59
	Recunoașterea și impactul activității (A3)	Minimum 30 puncte		Minimum 70 puncte	449
TOTAL		Minimum 250 puncte		Minimum 450 puncte	2266,49

Data
05.05.2023

Candidat,
Conf.dr.ing. Gheorghe-Adrian BRANOIU