

a) **Lista celor 10 articole considerate de candidat a fi cele mai mai relevante pentru realizarile profesional e obtinute ulterior conferirii titlului de doctor in stiinta.**

Semnul "*" indica ca subsemnata este autorul correspondent, a conceput si coordonat cercetarea prezentata.

1. ***Timar-Gabor A.**, Ivascu C., Vasiliniuc, S., Daraban, L., Ardelean I., Cosma, C., Cozar C., 2011. Thermoluminescence and optically stimulated luminescence properties of 0.5 P₂O₅ ×x BaO×(0.5-x) Li₂O glass systems. *Applied Radiations and Isotopes*, Volume 69, Issue 5, 780-784. (FI=0.999)
<http://www.sciencedirect.com/science/article/pii/S0969804311000297>
2. ***Timar-Gabor A.**, Vasiliniuc Ş., Vandenberghe D.A.G., Cosma C, Wintle A.G., 2012. Investigations on the reliability of SAR-OSL equivalent doses obtained for quartz samples displaying dose response curves with more than one component, *Radiation Measurements* 47, 470-475, DOI: 10.1016/j.radmeas.2011.12.001. (FI= 0.861)
<http://www.sciencedirect.com/science/article/pii/S1350448711005671>
3. *Constantin D., **Timar-Gabor A.**, Veres D., Begy R., Cosma C., 2012. SAR-OSL dating of quartz of different grain sizes extracted from a loess section in southern Romania embedding the Campanian Ignimbrite/Y5 tephra layer, *Quaternary Geochronology*, 10, 81-86. (FI= 4.015).
<http://www.sciencedirect.com/science/article/pii/S1871101412000143>
4. *Vasiliniuc Ş., Vandenberghe D.A.G., **Timar-Gabor A.**, Panaiotu C. , Cosma C. ,Van den haute P., 2012. Testing the potential of elevated temperature post-IR-IRSL signals for dating Romanian loess, *Quaternary Geochronology*, 10, 75-80 (FI= 4.015).
<http://www.sciencedirect.com/science/article/pii/S1871101412000398>
5. *Zeciu-Dolha M., **Timar-Gabor A.**, Camenita A., Costin D., Cosma C, 2013. Gamma background measurements by TL method: applications in locations with varied geological background. *Carpathian Journal of Earth and Environmental Sciences*, 8(4), 109-114. (FI=1.495)
<http://www.ubm.ro/CJEES/>
6. ***Timar-Gabor A.**, Trandafir O., 2013. On the luminescence properties of household salt as a potential retrospective dosimeter, *Radiation Protection Dosimetry*, 155 (4), pp. 404-409. (FI=0.909)
<http://rpd.oxfordjournals.org/content/155/4/404>
7. *Paşcu, A.R., Vasiliniuc, S., Zeciu-Dolha M., **Timar-Gabor A.**, 2013. The potential of luminescence signals from electronic components for accident dosimetry. *Radiation measurements*, 56, 384-388. (FI= 0.861)
<http://www.sciencedirect.com/science/article/pii/S1350448713001455>
8. ***Timar-Gabor A.**, Wintle A.G., 2013. On natural and laboratory generated dose response curves for quartz of different grain sizes from Romanian loess. *Quaternary Geochronology*, 18, 34-40. (FI= 4.015)
<http://www.sciencedirect.com/science/article/pii/S187110141300071X>
9. *Constantin D., Begy R., Vasiliniuc S., Panaiotu C., Necula C., Codrea V., **Timar-Gabor A.**. High resolution OSL dating of the Costineşti section Romania using fine and coarse quartz. *Quaternary International*, 334-335, 20-29. (FI=1.962)
<http://www.sciencedirect.com/science/article/pii/S1040618213003492>
10. Markovic S., **Timar-Gabor A.** , Stevens T., Hambach U., Popov D., Tomic N., Obreht I., Janovic M., Lemhkuhl, Kels H., Markovic R., Gavrilov M.B., 2014. Environmental dynamics and luminescence chronology from Orlovat loess-palaeosol sequence (Vojvodina, Northern Serbia). *Journal of Quaternary Science*, 29 (2), 189-199. (FI= 2.939)
<http://onlinelibrary.wiley.com/doi/10.1002/jqs.2693/abstract>

b) Teza de doctorat

“Retrospective luminescence dosimetry: applications in archaeology, geology and environmental science”- Universitatea Babeș-Bolyai Cluj Napoca. Sustinuta public in data de 12 Iunie 2010. Coordonator-profesor Dr. Constantin Cosma.

c) Brevete-nu este cazul

d) Carti si capitole de carti

1. **Alida Timar-Gabor**, Retrospective luminescence dosimetry: applications in archaeology, geology and environmental studies, **Presa Universitara Clujeana**, 2012, 220 pag A4, ISBN: 978-973-595-373-7.
 2. **Alida Timar-Gabor**, Dozimetrie prin termoluminescență (TL) și luminescență stimulată optic (OSL): aplicații în studii de mediu, **Presa Universitară Clujeană** 2013, 400 pag A4, ISBN: 978-973-595-534-2.
 3. **Alida Timar-Gabor**, Suport de curs pentru disciplina **Fizica II**, Ingineria Mediului, nivel licența, an I, Cluj Napoca, 2014, 104 pag. A4, disponibil online <http://enviro.ubbcluj.ro/studenti/suport%20de%20cursuri.php>
 4. **Alida Timar-Gabor**, Suport de curs pentru disciplina **Radioactivitatea Mediului**, Stiinta Mediului si Ingineria Mediului, an III, Cluj Napoca, 2014, 261 pag. A4, disponibil online <http://enviro.ubbcluj.ro/studenti/suport%20de%20cursuri.php>
 5. **Alida Timar-Gabor**, **Octavian Dului**, Suport de curs pentru disciplina **Metode si tehnici de datare utilizate in sedimentologie si reconstructia paleoclimii**, Specializarea de Masterat „Calitatea Mediului si Surse Energetice” an II, 2014, 280 pag., A4, disponibil online, in curs de publicare la **Presa Universitară Clujeană** <http://enviro.ubbcluj.ro/studenti/suport%20de%20cursuri.php>
 6. **Alida Timar-Gabor**, Constantin Cosma, Indrumator pentru laborator si seminar disciplina **Radioactivitatea Mediului**, Stiinta Mediului si Ingineria Mediului, an III, Cluj Napoca, 2014, 120 pag. A4, disponibil online <http://enviro.ubbcluj.ro/studenti/suport%20de%20cursuri.php>
 7. Mircea Anton, **Alida Timar-Gabor**, Indrumator de laborator pentru disciplina **Fizica**, Ingineria Mediului, Ingineria Sistemelor Biotehnice si ecologice, nivel licența, an I, Cluj Napoca, 2014, 113 pag. A4, disponibil online <http://enviro.ubbcluj.ro/studenti/suport%20de%20cursuri.php>
- e) **Articole in extenso, publicate in reviste din fluxul stiintific international principal dupa sustinerea tezei de doctorat, altele decat cele prezentate la punctul a).**

1. Benea V., **Timar-Gabor A.**, Iovu M., Colomeico E., Cosma C., Shpotyuk, O.I., 2011. TL and OSL dosimetric properties of Ge₃₀As₄S₆₆ chalcogenic glass system doped with Dy. *Journal of Optoelectronics and Advanced Materials*, 13, 1447 – 1449. <http://joam.inoe.ro/index.php>
2. Begy R. CS., Dreve S., Timar-Gabor A., Rusu O.A., Cosma C., 2012. Measurement of radium content in some spring waters from Romania. *Environmental Engineering and Management Journal*, vol 11, nr 2, 1005-1009. <http://connection.ebscohost.com/c/articles/75498627/measurements-radium-content-some-spring-waters-from-romania>
3. Vasiliniuc Ș., Vandenberghe D.A.G., **Timar-Gabor A.**, Cosma C., van den haute P., 2013. Combined IRSL and POST-IR OSL dating of Romanian loess using single aliquots of polymineral fine grains, *Quaternary International*, 293, 15-22. <http://www.sciencedirect.com/science/article/pii/S1040618212000092>
4. Vespremeanu -Stroe A., Preoteasa L., Hanganu D., Brown, T., Branzescu I, P. Toms, **Timar-Gabor A.**, 2013. The impact of the Late Holocene coastal changes on the rise and decay of the ancient city of Histria

- (Southern Danube Delta). *Quaternary International*, 293, 245-257 .
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5. Vasiliniuc Ş., Vandenberghe D.A.G., **Timar-Gabor A.**, van den Haute P., Cosma C., **2013**. Conventional IRSL dating of Romanian loess using single aliquots of polymineral fine grains, *Radiation Measurements*, 48 (1) , pp. 60-67. <http://www.sciencedirect.com/science/article/pii/S1350448712003241>
 6. Corcea, C., Constantin, D., Anechitei, V., **Timar-Gabor A.**, Filipescu S., **2013**. OSL dating of 63-90 µm quartz extracted from an Eemian (presumably lacustrine) sedimentary section at Floreşti on the Someşu Mic Valley. *Carpathian Journal of Earth and Environmental Sciences*, 1, 139-145.
<http://www.ubm.ro/CJEES/>
 7. Veres D., Lane C., **Timar-Gabor A.** , Constantin D., Szakacs A., Hambach U. , Fullig A., Onac B. P., **2013**. The Campanian Ignimbrite tephra layer - a regional stratigraphic marker for the MIS 3 loess deposits of Romania, *Quaternary International*, 293, 22-34.
<http://www.sciencedirect.com/science/article/pii/S1040618212001231>
 8. Constantin, S., Robu, M., Munteanu, C-M., Petculescu, A., Vlaicu, M., Mirea, I., Kenesz, M., Dragusin, M., Hoffman D., **Anechitei, Timar-Gabor A., V.**, Roban R., Panaiotu C., **2014**. Reconstructing the evolution of cave systems as a key to understanding the taphonomy of fossils accumulations. The case of Ursilor Cave (Western Carpathians, Romania). *Quaternary International*, 334-335, 20-29.
<http://www.sciencedirect.com/science/article/pii/S1040618213007842>
 9. Anechitei-Deacu V., **Timar-Gabor A.**, Fitzsimmons K., Veres D., Hambach U., **2014**. Multi-method luminescence investigations on quartz of different sizes extracted from a loess section in Southeast Romania interbedding the Campanian Ignimbrite ash layer. *Geochronometria*, 41,1, 1-14.
<http://link.springer.com/article/10.2478/s13386-013-0143-4>
 10. Paşcu A.R., **Timar-Gabor A.**, **2014**. Electronic components as luminescence retrospective accident dosimeters, *Romanian Reports in Physics*, vol 66, nr 3. <http://www.rrp.infim.ro/inpress.html>
- f) Publicatii in extenso, aparute in lucrari ale principalelor conferinte de specialitate, dupa sustinerea doctoratului, altele decat cele mentionate la punctual a)**
1. Begy, R. Cs., **Timar Gabor A.**, Somlai J., Cosma C., **2011**. A sedimentation study of St. Anna Lake (Romania) applying the ²¹⁰Pb and ¹³⁷Cs dating methods. *Geochronometria*, 38(2), 93-100.
<http://link.springer.com/article/10.2478/s13386-011-0017-6>
 Lucrare prezentata la conferința internațională "10th international conference "Methods of Absolute Chronology", 21-25 Aprilie 2010, Gliwice, Polonia.
 2. Vasiliniuc, S., **Timar-Gabor, A.**, Vandenberghe, D.A.G., Panaiotu, C.G., Begy, R. Cs., Cosma, C., **2011**. A high resolution optical dating study of the Mostiștea loess-palaeosol sequence (SE Romania) using sand-sized quartz. *Geochronometria*, 38(1), 34-41.
<http://link.springer.com/article/10.2478/s13386-011-0007-8>
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 3. C. Ivascu, **Timar-Gabor A.**, Cozar O., Daraban, L., Ardelean I., **2011**. FT-IR, RAMAN and thermoluminescence investigation of P₂O₅ -BaO-Li₂O glasss system. *Journal of Molecular Structure*, *Journal of Molecular Structure*, 93, 249-253.
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4. **Timar-Gabor A.**, Vasiliniuc S., Vandenberghe D., Constantin D., Cosma C., Luminescence dating of archaeological materials and sediments in Romania using quartz, **2011. *Romanian Reports in Physics*, 63, 929-939.**
<http://www.rrp.infim.ro/>
 Lucrare prezentata la conferința Simpozionul Național de Arheometrie, București, 28-29 octombrie 2010.
5. Cosma, C., Rusu O.A., Cosma, V., Nita, D., Begy, R. Cs., **Timar-Gabor, A.**, Astilean, A., **2012.** Protection of Alpha Spectrometry Detectors Using Thin Formvar Films and Influence on Detection Characteristics, *IEEE Transactions on Nuclear Science* 59 (4 PART 1), art. no. 6153411, pp. 1175-1179 DOI: 10.1109/TNS.2012.2184802.
<http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=23>
 Lucrare prezentata la conferința internațională Conference on Radiation Effects on Components and Systems (RADECS), University of Sevilla, Sevilla, Spania, Septembrie 19-23, 2011.
6. **Timar-Gabor A.**, Vasiliniuc Ș., Vandenberghe D.A.G., Cosma C, Wintle A.G., **2012.** Investigations on the reliability of SAR-OSL equivalent doses obtained for quartz samples displaying dose response curves with more than one component, *Radiation Measurements* 47, 470-475, DOI: 10.1016/j.radmeas.2011.12.001.
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 Lucrare prezentata la conferința internațională "13th International Conference on Luminescence and Electron Spin Resonance Dating (LED 2011)", 09-14 Iulie 2011, Torun, Polonia.
7. Pașcu A.R., Vasiliniuc, S., Zeciu-Dolha M., **Timar-Gabor A.**, **2013.** The potential of luminescence signals from electronic components for accident dosimetry. *Radiation Measurements*, 56, 384-388.
<http://www.sciencedirect.com/science/article/pii/S1350448713001455>
 Lucrare prezentata la conferința internațională 8th International Conference on Luminescent Detectors and Transformers of Ionizing Radiation (LUMDETR), Martin Luther Univ. Halle Wittenberg, Halle, Germania, 10-14 Septembrie 2012.
8. Preoteasa, L., Vespremeanu-Stroe, A., Hanganu, D, Katona, O., **Timar-Gabor, A.** **2013.** Coastal changes from open coast to present lagoon system in Histria region (Danube delta). *Journal of Coastal Research*, Special Issue No. 65, ISSN 0749-0208.
http://ics2013.org/papers/Paper4160_rev.pdf
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9. Ivascu, C., **Timar-Gabor A.**, Cozar, O., **2013.** FT-IR and thermoluminescence investigation of P_2O_5 -BaO- K_2O glass system . *AIP Conf. Proc.* 1565, 108-11.
<http://dx.doi.org/10.1063/1.4833707>
 Lucrare prezentata la conferința internațională Processes in Isotopes and Molecules (PIM 2013), Cluj-Napoca, 25-27 Septembrie 2013.
10. Dolha, M., **Timar-Gabor, A.**, Dicu, T., Begy, R., Anton, M., Cosma, C., **2014.** A high resolution map of gamma dose rates in Cluj County, Romania using LiF: Mg, Cu, P detectors. *Radiation Protection Dosimetry*, acceptat, ID: NCU209.
<http://rpd.oxfordjournals.org/>
 Lucrare prezentata la conferința internațională la conferința internațională "Second international Conference on Radiation and Dosimetry in various fields of research", 27-30 Mai, Nis, Serbia.
11. Cosma C., Cucos A., Papp B., Begy R., Gabor A., Bican-Brisan N., Besutiu L., **2014.** Radon Implications in life and earth science: Baita-Stei area and Peceneaga-Camena Fault (Romania). *Carpathian Journal of Earth and Environmental Science*, 9(2) 15-21.
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 Lucrare prezentata la conferința internațională First East European radon symposium, FERAS 2012, Septembrie 2 - 5, 2012, Cluj-Napoca, Romania.

12. Cucos-Dinu A., Vasiliniuc S., **Timar-Gabor A.**, Manea P., Cosma C., **2014**. Contribution of Radon dose to the patient exposure in the mofette of Covasna sanatorium, Romania. *Carpathian Journal of Earth and Environmental Science*, 9(3) 69-74. (FI=1.495)<http://www.ubm.ro/CJEES/>
Lucrare prezentata la conferinta internationala First East European radon symposium, FERAS 2012, Septembrie 2 - 5, 2012, Cluj-Napoca, Romania.
13. Lukić T., Basarin B., Buggle B., Marković, S., Tomović, V.M., Popov Raljić J., Hrnjak I., **Timar-Gabor, A.**, Hambach U., Gavrilov, M., **2014**. A joined rock magnetic and colorimetric perspective on the Late Pleistocene climate of Orlovat loess site (Northern Serbia). *Quaternary International*, 334-335, 179-188.
<http://www.sciencedirect.com/science/article/pii/S1040618214001797>
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14. Feurdean, A., Persoiu, A., Tantau, I., Stevens, T., Markovic, S., Magyari, E., Onac, B.P., Andric, M., Connor, S., Galka, M., Hoek, W.Z., Lamentowicz, M., Sümegi, P., Persoiu, I., Kolaczek, P., Kuneš, P., Marinova, E., Slowinski, M., Michczyńska, D., Stancikaite, M., Svensson, A., Veski, S., Fărcaș, S., Tămaș, T., Zernitskaya, V., **Timar, A.**, Tonkov, S., Toth, M., Willis, K.J., Plóciennik, M., Gaudeny T., **2014**. Climate variability and associated vegetation response throughout Central and Eastern Europe(CEE) between 8 and 60 kyrs ago. Special Issue: 4th INTIMATE, *Quaternary Science Reviews*, acceptat.
DOI:10.1016/j.quascirev.2014.06.003.
<http://www.sciencedirect.com/science/journal/aip/02773791>
INTIMATE Workshop on Terrestrial Records from Eastern Europe INTIMATE - COST Action ES0907. 7 -9 martie 2013, Cluj-Napoca, Romania

g) Alte lucrari si contributi stiiintifice obtinute ulterior obtinerii titlului de doctor.

1. **Timar-Gabor, A.**, Cosma, C., Begy, R., Jobaggy, V., Szeiler, G., Barbos, D., Fulea, D. **2011**. Estimation of radionuclides in soils - a comparison of methods for annual dose estimation in luminescence dating, *ECOTERRA*, 26, 119-124.
<http://www.ecoterra-online.ro/ro/numarul26-2011/>
2. Constantin, D., **Timar-Gabor, A.**, Cosma, C., **2011**. Monitorizarea radioactivitatii mediului prin utilizarea dozimetrelor cu termoluminescenta, *ECOTERRA*, 26, 39-43.
<http://www.ecoterra-online.ro/ro/numarul26-2011/>
3. Zeciu Dolha M., **Timar-Gabor A.**, Constantin D., Cosma C., **2011**. Aplicatii ale dozimetrie prin termoluminescenta in domeniul medical. *ECOTERRA*, 28, 187-192.
<http://www.ecoterra-online.ro/ro/numarul28-2011/>
4. **Timar A.**, Vandenberghe D., Vasiliniuc S., Cosma C., **2009**. Optical dating of Romanian loess: A comparison between sand-sized and silt-sized quartz. *Loessfest '09 - International conference on loess research*, Novi Sad, Serbia, p. 77-78, ISBN: 987-86-7031-211-1.
<http://inqua-loess.org/loessfest09/index.php>
5. **Timar-Gabor A.**, **2012**. When, where and why do apparently robust laboratory dating procedures provide discordant chronologies on Romanian loess? *International Conference on Loess Research. ED@80's. Loess in China and Europe*. Novi Sad, Serbia, p. 57, ISBN: 978-86-7031-283-8
<http://inqua-loess.org/ed80s/index.php>
6. **Timar-Gabor A.**, **2013**. Insights Gained from Optically Stimulated Luminescence Dating of Romanian Loess. 2013 Meeting of INQUA - Section on European Quaternary Stratigraphy (SEQS) 23-27th September 2013, Constanta (Romania) *Correlations of Quaternary Fluvial, Eolian, Deltaic and Marine Sequences, National Institute of Marine Geology and Geoecology GeoEcoMar - Bucharest, 2013*, 35, ISBN 978-973-0-15477-1.

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7. Constantin D., Panaiotu C., Necula C., Codrea V., **Timar-Gabor A., 2013.** Optically Stimulated Luminescence Dating of the Lunca Loess Section (Olt Valley, SW Romania) Using 63-90 μm Quartz. 2013 Meeting of INQUA Section on European Quaternary Stratigraphy (SEQS) 23-27th September 2013, Constanta (Romania) *Correlations of Quaternary Fluvial, Eolian, Deltaic and Marine Sequences, National Institute of Marine Geology and Geoecology GeoEcoMar - Bucharest, 2013, 35*, ISBN 978-973-0-15477-1. <http://www.inqua-seqs.org/publications/>
 8. Anechitei-Deacu, V., **Timar-Gabor A.**, Fitzsimmons K., Veres D., Hambach U., **2013.** The Campanian Ignimbrite as a Widespread Chronostratigraphic Marker for Late Quaternary Sedimentary Deposits in Romania: New Chronological Constraints. 2013 Meeting of INQUA - Section on European Quaternary Stratigraphy (SEQS) 23-27th September 2013, Constanta (Romania) *Correlations of Quaternary Fluvial, Eolian, Deltaic and Marine Sequences, National Institute of Marine Geology and Geoecology GeoEcoMar - Bucharest, 2013, 35*, ISBN 978-973-0-15477-1. <http://www.inqua-seqs.org/publications/>
 9. Steopoaie-Cardan I., Vespremeanu-Stroe, A., Preoteasa L., Constantin D., **Timar-Gabor A., 2013.** The Evolution of the Southern Danube Delta and its Impact on Histria Ancient City Development. 2013 Meeting of INQUA -Section on European Quaternary Stratigraphy (SEQS) 23-27th September 2013, Constanta (Romania) *Correlations of Quaternary Fluvial, Eolian, Deltaic and Marine Sequences, National Institute of Marine Geology and Geoecology GeoEcoMar - Bucharest, 2013, 34*, ISBN 978-973-0-15477-1. <http://www.inqua-seqs.org/publications/>

19 Iunie 2014

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