

**Alida Timar-Gabor**

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**Date and Place of Birth:** September 17<sup>th</sup>, 1983, Beclean, Romania

**Institution:** Faculty of Environmental Science and Engineering and Interdisciplinary Research Institute for Bio-Nano-Science, Babeş-Bolyai University (BBU), Cluj-Napoca, Romania  
<http://icibns.institute.ubbcluj.ro/centrul-de-radioactivitatea-mediului-si-datara-nucleara/>

**PhD in Physics 2010, BBU; DSc (Habilitation) in Environmental Science 2015, BBU**

**Professional experience:** October 2008- present: Faculty of Environmental Science and Engineering, BBU, Cluj-Napoca, Romania: teaching assistant, lecturer, associate professor, full professor. August 2014 – present: Institute for Interdisciplinary Research in Bio–Nano–Sciences, BBU, Cluj-Napoca, Romania, senior researcher (CSI). Description: teaching to graduate and postgraduate students, research activities, supervise postgraduate student’s activity.

A.T.G. established the Luminescence (in 2010) and Electron Spin Resonance Dating (in 2016) Laboratories at BBU and pioneered the applications of luminescence and electron spin resonance dating in earth sciences in Romania.

A.T.G. is currently the director of Environmental Radioactivity and Nuclear Dating Centre, Institute of Interdisciplinary Research on Bio-Nano-Sciences since 2016.

Funding raised as PI: > 2.5 million Euro.

**Education:** 2010: PhD in Physics; 2006: Master’s Diploma “Atomic and nuclear methods in environmental research”, Faculty of Environmental Science and Engineering, BBU; July 2005: Bachelor’s Degree in physics, Faculty of Physics, BBU.

**Research Interests:** Geochronology, Paleoclimatology, Environmental Science, Environmental Physics. Namely: Luminescence and Electron Spin Resonance Dating, Dosimetry, Environmental Radioactivity

**Publications:** 88 articles published in peer-reviewed journals with impact factor starting 2006, 3 articles under review, two book chapters, 2 monographs; 2 articles listed as “most cited in the field” according to Web of Science, 1 article currently listed as the most cited publication in Radiation Measurements Journal.

H (web of science) = 21 (25 according to Google Scholar)

Collaborative Research: published 76 peer reviewed papers (indexed in ISI) over a 10 -year period (2011-2020), with 221 distinct co-authors from 28 countries.

**Conference attendance:** 45 international meetings, ~30 oral presentations, 5 invited lectures, 2 solicited talks (EGU), chairman at 5 international conferences.

**Student supervision:** A.T.G. supervised and co-supervised 12 PhD students, 5 foreign visitor students, 32 bachelor and master`s dissertations. Three PhD students graduated under her formal supervision so far, 2 other students are in the process of thesis writing.

**Awards and distinctions (selection):**

**2008-** „VagnMejdahl Prize” at 12<sup>th</sup> International Conference on Luminescence and Electron Spin Resonance Dating (<https://www.sciencedirect.com/science/article/abs/pii/S1350448709001243>);

**2014-** „GrigoreCobălcescu” Award of the Romanian Academy, in the field of Geology (<http://www.academiaromana.ro/com2014/premiiAR1219/d1219-Premii2012Decernate2014.pdf>);

**2014-** Ad Astra Award for Excellence in Research (<http://premiu.ad-astra.ro/?p=71>); **2015-**

UNESCO L`Oréal Romania Award for “Women in Science” in the field of physical sciences (<https://www.campuscluj.ro/stiri/1571-profesor-ubb-a-castigat-una-dintre-bursele-l-oreal-unesco.html>);

**2015-** Danubius Young Scientist Award ([https://ec.europa.eu/jrc/sites/jrcsh/files/jrc-danubius-awards-2015\\_en.pdf](https://ec.europa.eu/jrc/sites/jrcsh/files/jrc-danubius-awards-2015_en.pdf)); **2014 & 2016-** “Excellentia” award, in recognition of outstanding teaching activities, at the nomination of the BBU council of students; **2018-**

Elsevier for Women in Physics(<https://www.elsevier.com/physical-sciences/physics/virtual-special-issue-on-women-in-physics-2018>)

**Commission of trust/ Synergistic activities:**

Member in the Council of Research of Babeş-Bolyai University (2012-present).

Member of Romanian National Commission for Attesting Academic Titles, (CNATDCU) in the field of Environmental Engineering (2016-2020).

Member of EGU and AGU.

Invited external expert for the ERC, European Commission.

Member in panels for best student awards at various luminescence and electron spin resonance international meetings.

Reviewer for various indexed journals (more than 10) and funding agencies.

## Publications

### Book chapters:

1. **Alida Timar-Gabor**, Cristian Panaiotu, Daniel Veres, Cristian Necula, Daniela Constantin, capitol "The lower Danube loess, new age constraints from luminescence dating, magnetic proxies and isochronous tephra markers" Landform Dynamics and Evolution in Romania, **Springer 2016**, 679-697.  
[https://link.springer.com/chapter/10.1007/978-3-319-32589-7\\_29](https://link.springer.com/chapter/10.1007/978-3-319-32589-7_29)
2. Daniel Veres, **Alida Timar-Gabor**, capitol "Climate Change and Dating", in SAS Encyclopedia of Archaeological Science, ISBN: 978-0-470-67461-, **Wiley Blackwell, 2019**.  
<https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119188230.saseas0097>

### Articles:

\* corresponding author

#### 2006- 1/ 1

1. Cosma C., Benea V., **Timar A.**, Barbos D., Paunoiu C, **2006**. Preliminary dating results on ancient ceramics from Romania by means of thermoluminescence. *Radiation Measurements* nr. 41, 987-990. (FI= 1.019)  
<http://www.sciencedirect.com/science/article/pii/S1350448706000783>

#### 2007- 1/ 1\*

- 2.\* Benea V., Vandenberghe D., **Timar A.**, Van den Haute P., Cosma C., Gligor M., Florescu C., **2007**. Luminescent dating of Neolithic ceramics from Lumea Nouă, Romania. *Geochronometria* nr. 28, 9-16. (FI=0.860)  
<http://versita.metapress.com/content/1123837440507654/>

#### 2008- 1/ 0\*

3. Cosma C. **Timar A.**, Benea V., Pop I., Jurcut T., Ciorba D, **2008**. Using natural luminescent materials and highly sensitive sintered dosimeters MCP-N (LiF:Mg,Cu,P) in radiation dosimetry. *Journal of optoelectronics and advanced materials* vol. 10, nr 3, 573-577. (FI= 0.412).

#### 2009- 5/ 0\*

4. Begy R.C., Cosma C., **Timar A.**, Fulea D., **2009**. The Determination of Absolute Intensity of <sup>234m</sup>Pa's 1001 keV Gamma Emission Using Monte Carlo Simulation. *Journal of Radiation Research*, nr. 50, 277-279. (FI=2.030)  
<http://jrr.oxfordjournals.org/content/50/3/277.short>
5. Begy R., Cosma C., **Timar A.**, **2009**. Recent changes in Red Lake (Romania) sedimentation rate determined from depth profiles of <sup>210</sup>Pb and <sup>137</sup>Cs radioisotopes. *Journal of Environmental Radioactivity*, nr. 100, 644-648. (FI=1.466)  
<http://www.sciencedirect.com/science/article/pii/S0265931X09001131>
6. Cosma C., **Timar A.**, Benea V., Pop I., Moldovan M. **2009**. Carbon Molecular Sieve for Radon and Thoron Monitoring. *Romanian Journal of Physics*, nr. 3-4, vol. 54, 401-405. (FI=0.33)  
<http://www.nipne.ro/rjp/>
7. Cosma C., Petrescu I., Meilescu C., **Timar A.** **2009**. Studies on the radioactivity of lignite from the area between the Danube and Motru (South-West Romania) and the incidence on the environment. *Journal of Environmental Protection and Ecology*, nr 1, 192-201. (FI=0.169)  
<http://www.jepe-journal.info/>
8. Cosma C., Ciorba D., **Timar A.**, Szacsvai K., Dinu A., **2009**. Radon exposure and lung cancer risk in Romania. *Journal of Environmental Protection and Ecology*, nr 1, 94-104. (FI=0.169)  
<http://www.jepe-journal.info/>

#### 2010 -2 /2\*

- 9.\* **Timar A.**, Vandenberghe D., Panaiotu E.C., Panaiotu C.G., Necula C., Cosma C. and Van den haute P., **2010**. Optical dating of Romanian loess using fine-grained quartz. *Quaternary Geochronology*, 5, 143-148. (FI= 3.238)  
<http://www.sciencedirect.com/science/article/pii/S1871101409000533>
- 10.\* **Timar-Gabor, A.**, Vasiliniuc, Ș., Bădărau, A.S., Begy, R., Cosma C., **2010**. Testing the potential of optically stimulated luminescence dating methods for dating soil covers from the forest steppe zone in Transylvanian basin. *Carpathian Journal of Earth and Environmental Sciences*- 5(2), 137-144. (FI=1.579)  
<http://www.ubm.ro/CJEES/>

#### 2011- 7/ 3\*

11. Begy, R.Cs., **Timar Gabor A.**, Somlai J., Cosma C., **2011**. A sedimentation study of St. Anna Lake (Romania) applying the <sup>210</sup>Pb and <sup>137</sup>Cs dating methods. *Geochronometria*, 38(2), 93-100. (FI=0.860)  
<http://link.springer.com/article/10.2478/s13386-011-0017-6>
12. 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. (FI=0.860)  
<http://link.springer.com/article/10.2478/s13386-011-0007-8>
13. C. Ivascu, **Timar-Gabor A.**, Cozar O., Daraban, L., Ardelean I., **2011**. FT-IR, RAMAN and thermoluminescence investigation of P<sub>2</sub>O<sub>5</sub> –BaO-Li<sub>2</sub>O glass system. *Journal of Molecular Structure*, *Journal of Molecular Structure*, 93, 249-253. (FI=1.599)  
<http://www.sciencedirect.com/science/article/pii/S0022286010009130>

- 14.\* **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 P<sub>2</sub>O<sub>5</sub> × x BaO×(0.5-x) Li<sub>2</sub>O glass systems *Applied Radiations and Isotopes*, Volume 69, Issue 5, 780-784. (FI=1.172)  
<http://www.sciencedirect.com/science/article/pii/S0969804311000297>
- 15.\* **Timar-Gabor A.**, Vandenberghe D.A.G., Vasiliniuc S., Panaitu, C. E., Panaiotu, C. G., Dimofte, D., Cosma, C. **2011**. Optical dating of Romanian Loess a comparison between silt-sized and sand-sized quartz. *Quaternary International*, 240, 62-70. (FI=1.768)  
<http://www.sciencedirect.com/science/article/pii/S1040618210003952>
16. Benea V., **Timar-Gabor A.**, Iovu M., Colomeico E., Cosma C., Shpotyuk, O.I., **2011**. TL and OSL dosimetric properties of Ge30As4S66 chalcogenetic glass system doped with Dy. *Journal of Optoelectronics and Advanced Materials*, 13, 1447 – 1449. (FI= 0.412)  
<http://joam.inoe.ro/index.php>
- 17.\* **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. (FI=0.470)  
<http://www.rrp.infim.ro/>
- 2012- 5/3\*
18. 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. (FI=1.117)  
<http://omicron.ch.tuiasi.ro/EEMJ/>
- 19.\* **Timar-Gabor A.**, Vasiliniuc S., 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. (FI= 0.861)  
<http://www.sciencedirect.com/science/article/pii/S1350448711005671>
- 20.\* 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= 3.238).  
<http://www.sciencedirect.com/science/article/pii/S1871101412000143>
- 21.\* Vasiliniuc S., 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>
22. 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. (FI=1.450)  
<http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=23>
- 2013 -11/6\*
- 23.\* Vasiliniuc S., 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. (FI=2.128)  
<http://www.sciencedirect.com/science/article/pii/S1040618212000092>
24. 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. (FI=2.128)  
<http://www.sciencedirect.com/science/article/pii/S1040618212001231>
25. 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(FI=2.128)  
<http://www.sciencedirect.com/science/article/pii/S1040618212033575>
- 26.\* Vasiliniuc S., 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. (FI=1.140)  
<http://www.sciencedirect.com/science/article/pii/S1350448712003241>
- 27.\* **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=0.861)  
<http://rpd.oxfordjournals.org/content/155/4/404>
- 28.\* 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 Florești on the Someșu Mic Valley. *Carpathian Journal of Earth and Environmental Sciences*, 1, 139-145. (FI=0.727)  
<http://www.ubm.ro/CJEES/>
29. 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. (FI= 1.140)  
<http://www.sciencedirect.com/science/article/pii/S1350448713001455>

30. 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. (FI=0.755)  
[http://ics2013.org/papers/Paper4160\\_rev.pdf](http://ics2013.org/papers/Paper4160_rev.pdf)
- 31.\* **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= 2.476)  
<http://www.sciencedirect.com/science/article/pii/S187110141300071X>
- 32.\* 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=0.727)  
<http://www.ubm.ro/CJEES/>
33. Ivascu, C., **Timar-Gabor A.**, Cozar, O., 2013. FT-IR and thermoluminescence investigation of P<sub>2</sub>O<sub>5</sub>-BaO-K<sub>2</sub>O glass system. *AIP Conf. Proc.* 1565, 108-11.  
<http://dx.doi.org/10.1063/1.4833707>
- 2014- 10/ 3\*
- 34.\* 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.(FI=1.243)  
<http://link.springer.com/article/10.2478/s13386-013-0143-4>
- 35.\* Pascu A.R., **Timar-Gabor A.**, 2014. Electronic components as luminescence retrospective accident dosimeters, *Romanian Reports in Physics*, vol 66, nr 3, 862-876. (FI=1.137)  
<http://www.rrp.infim.ro/inpress.html>
36. 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 chronol from Orlovat loess-palaeosol sequence (Vojvodina, Northern Serbia). *Journal of Quaternary Science*,29 (2), 189-199. (FI= 2.661)  
<http://onlinelibrary.wiley.com/doi/10.1002/jqs.2693/abstract>
37. 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*, 339-340, 25-40(FI=2.128)  
<http://www.sciencedirect.com/science/article/pii/S1040618213007842>
- 38.\* Constantin D., Begy R., Vasiliniuc S., Panaiotu C., Necula C., Codrea V., **Timar-Gabor A.**, 2014. High resolution OSL dating of the Costinești section Romania using fine and coarse quartz. *Quaternary International*, 334-335, 20-29.(FI=2.128)  
<http://www.sciencedirect.com/science/article/pii/S1040618213003492>
39. Cosma C., Cucos A., Papp B., Begy R., Gabor A., Bican-Brisan N., Besutiu L., 2014. Radon Implications in life and earth science: Baita-Steii area and Peceneaga-Camena Fault (Romania). *Carpathian Journal of Earth and Environmental Science*, 9(2) 15-21. (FI=0.727)  
<http://www.ubm.ro/CJEES/>
40. 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.(FI=2.128)  
<http://www.sciencedirect.com/science/article/pii/S1040618214001797>
41. 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=0.727)  
<http://www.ubm.ro/CJEES/>
42. 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*, 162, 1-2, 14-19. (FI=0.861)  
<http://rpd.oxfordjournals.org/content/162/1-2/14>
43. 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., Płóciennik, M., Gaudeny T., 2015. Climate variability and associated vegetation response throughout Central and Eastern Europe (CEE) between 8 and 60 kyrs ago. *Quaternary Science Reviews*, 106, 206-224. (FI=4.572)  
<http://www.sciencedirect.com/science/article/pii/S0277379114002212>

2015- 9/5\*

44. Constantin D., Camenita A., Panaiotu C., Necula C., Codrea V., **Timar-Gabor A., 2015.** Fine and coarse-quartz SA dating of Last Glacial loess in Southern Romania. *Quaternary International*, 357, 33-43. (FI=2.128)  
<http://www.sciencedirect.com/science/article/pii/S1040618214005229>
- 45.\* **Timar-Gabor A.,** Constantin D., Markovic S. B., Jain, M., **2015.** Extending the area of investigation of fine versus co quartz optical ages from the Lower Danube to the Carpathian Basin. *Quaternary International*, 388, 168-176. (FI=2.128)  
<http://www.sciencedirect.com/science/article/pii/S104061821400723X>
- 46.\* Constantin, D., Buylaert, J.P., Jain M., Murray A.S., **Timar-Gabor A., 2015.** Quartz luminescence response to a mixed alp beta field: Investigations on Romanian loess. *Radiation Measurements*, 81, 110-115. (FI=1.140).  
<http://www.sciencedirect.com/science/article/pii/S1350448715000025>
- 47.\* Trandafir, O., Timar-Gabor, A., Schmidt, C., Anghelinu, M., Veres, D., Hambach, U., Simon, S., **2015.** OSL dating of sized and sand-sized quartz from an Upper Pleistocene archaeological sequence on the Bistrița Valley. *Quaternary Geochronology*, 30, 487-492. (FI= 2.476)  
<https://www.sciencedirect.com/science/article/abs/pii/S1871101414001150>
- 48\* Biro, B., Pascu A., **Timar-Gabor A.,** Simon, V., 2015. Thermoluminescence investigations on  $xY_2O_3 \cdot (60-x)P_2O_5 \cdot 40SiO_2$  vitroceramics. *Applied Radiation and Isotopes*, 98, 49-53. (FI=1.056)  
<http://www.sciencedirect.com/science/article/pii/S0969804315000202>
- 49\*. **Timar-Gabor, A.,** Constantin, D., Buylaert J.P., Jain M., Murray A.S., Wintle A., **2015.** Fundamental investigation natural and laboratory generated SAR dose response curves for quartz in the high dose range. *Radiation Measurements*, 150-156. (FI=1.140)  
<http://www.sciencedirect.com/science/article/pii/S1350448715000141>
50. Feurdean, Marinova E, Nielsen AB, Liakka, J, Braun, M., Hutchinson, S.M, Veres, D, **Timar-Gabor, A.,** Astalos, C, A, Mosburgger, V, Hickler, T., **2015.** Origin of the forest steppe and exceptional diversity in Transylvania (central-easter Europe). *Journal of Biogeography*, 42 (5), 951-963. (FI=4.969)  
<http://onlinelibrary.wiley.com/doi/10.1111/jbi.12468/pdf>
51. Marković, S., Stevens, T., Kukla, G.J., Hambach, U., Fitzsimmons, K.E., Gibbard, P., Buggle, B., Zech, M., Guo, Z., Hao, Q., Wu, H., O'Hara Dhand, K., Smalley, I.J., Újvári, G., Sümegei, P., Timar-Gabor, A., Veres, D., Sirocko, F., Vasiljević, D.A., Jary, Z., Svensson, A., Jovic, V., Lehmkuhl F., Kovacs, J., Svircev, Z., **2015.** Danube loess stratigraphy — Towards a pan-European loess stratigraphic model. *Earth-Science Reviews*, 148, 228-258. (FI=6.991)  
<http://www.sciencedirect.com/science/article/pii/S0012825215300076>
52. Obreht, I., Zeeden, C., Schulte, P., Hambach, U., Eckmeier, E., Timar-Gabor, A., Lehmkuhl, F., **2015.** Aeolian dynamics at the Orlovat loess–paleosol sequence, northern Serbia, based on detailed textural and geochemical evidence. *Aeolian Research*, 18, 69-81. (FI=2.309)  
<http://www.sciencedirect.com/science/article/pii/S1875963715000580>
- 2016-7/0\***
53. Pascu A.R., **Timar-Gabor A.,** Simon, V., **2016.** Retrospective accident dosimetry using dental ceramics. *Romanian Reports in Physics*, Vol. 68, No. 2, P. 658–666. (FI=1.137)  
<http://www.rp.infm.ro/IP/A51.pdf>
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