

**CURRICULUM VITAE**  
**Dr. ALIDA TIMAR GABOR**

**Personal information:**

**First name:** ALIDA IULIA

**Surname:** TIMAR (GABOR)

**Date of birth:** 17 September 1983

**Place of birth:** Beclean, Bistrița Năsăud, România

**Nationality:** Romanian

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**WORK EXPERIENCE:**

**October 2012-present:** Lecturer

**October 2008-October 2012:** Teaching Assistant

**Department of Environmental Analysis and Engineering**

**Faculty of Environmental Science and Engineering**

**Babeș-Bolyai University, Cluj-Napoca**

**EDUCATION:**

**October 2006 - June 2010:** PhD Candidate in Physics, Nuclear Physics, Faculty of Environmental Science and Engineering, Babeș-Bolyai University, Cluj-Napoca, coordinated by Prof. Dr. Constantin Cosma. PhD thesis title: **“Retrospective luminescence dosimetry: applications in archaeology, geology and environmental studies.”**

**2006 - 2007:** Doctoral School “The evolution of terrestrial systems and the environment”- Faculty of Environmental Science, Babeș-Bolyai University, Cluj-Napoca

**2005 - 2006:** Master “Atomic and nuclear methods in environmental research”-Faculty of Environmental Science, Babeș-Bolyai University, Cluj-Napoca. Master thesis: **“Comparing Quartz OSL and Polymineral IRSL Ages for Chinese Loess: A case study”** Promoters: Prof. Dr. Constantin Cosma -Faculty of Environmental Science, Babeș-Bolyai University, Cluj-Napoca, Romania; Prof. Dr. Peter Van den haute and Dr. Dimitri Vandenberghe - Luminescence Dating Laboratory, Mineralogy and Petrology Department, Geological Institute, Gent University, Gent, Belgium.

**2001 - 2005:** Bachelor Degree Certificate in Physics, Faculty of Physics, Babeș-Bolyai University, Cluj-Napoca. License thesis: **“Thermoluminescence dosimetry applications for measuring the natural background radiation”** Promoter: Prof. Dr. Constantin Cosma- Faculty of Physics, Babeș-Bolyai University, Cluj-Napoca, Romania

**1997 - 2001:** Highschool Degree, Liviu Rebreanu National College, Bistrita

**SCIENTIFIC ACTIVITY:**

Dr. A. Timar-Gabor is founding member and supervisor of the Luminescence Dating and Dosimetry Laboratory of the Babeș-Bolyai University, Cluj-Napoca, since 2008.

### Fields of expertise:

- Thermoluminescence and optically stimulate luminescence dating.
- Retrospective accident dosimetry.
- Medical dosimetry.
- Environmental radioactivity. Environmental dosimetry.

### Publications

- 66 articles indexed in Google Scholar database (see Annex 1-list of publications)
- Two books as single author
- Three volumes of lecture notes for undergraduate and master's students.
- Two volumes of practical exercises undergraduate and master's students.
- **43 articles published in ISI indexed journals.**
- **Over 140 independent citations** (see Annex 2- list of citations)

### Scientometric index

- **h (Hirsch) index = 7-excluding self-citations**

### Conference attendance:

**Dr. A. Timar-Gabor gave presentations at 28 prestigious scientific events held in the country and especially abroad, in over half the cases having oral communications.** (see Annex 3-conference attendance)

### Co-workers (joint projects and publications):

1. **Prof. Dr. Ann Wintle**, McDonald Institute for Archaeological Research, University of Cambridge, Institute of Geography and Earth Sciences, Aberystwyth University, Aberystwyth, UK.
2. **Prof. Dr. Andrew S. Murray, Dr. Majank Jain, Dr. Jan-Pieter Buylaert**, *Nordic Laboratory for Luminescence Dating*, Department of Geoscience, Aarhus University, Center for Nuclear Technologies, Technical University of Denmark, Roskilde, Denmark.
3. **Prof. Dr. Peter van den haute Peter, Dr. Dimitri Vandenberghe**, *Laboratory of Mineralogy and Petrology (Luminescence Research Group)*, Department of Geology and Soil Science, Ghent University, Ghent, Belgium.
4. **Dr. Kathryn Fitzsimmons**, Max Planck Institute for Evolutionary Antropology, Leibnitz, Germany.
5. **Dr. Ulrich Hambach, Dr. Cristoph Schmidt**, Bayreuth University, Bayreuth, Germany.
6. **Prof. Slobodan B. Marković**, Head of Chair for Physical Geography, Faculty of Science, University of Novi Sad, Serbia.
7. **Prof. Joan Fornós Asto**, Universitat de les Illes Balears, Palma de Mallorca, Spain.
8. **Dr. Angelica Feurdean** Senckenberg Research Institute and Natural History Museum and Biodiversity and Climate Research Centre (BiK-F), Frankfurt am Main, Germany.
9. **Prof. Dr. Cristian Panaiotu**, Faculty of Physics, Bucharest University, Romania.
10. **Dr. Alfred Vespremeanu-Stroe**, Faculty of Geography, University of Bucharest, Romania.
11. **Dr. Luminita Preoteasa**, Fluvial and Marine research station, Sfântu Gheorghe, Romania.
12. **Dr. Silviu Constantin**, Institute of Speology, Romanian Academy.
13. **Dr. Oana Moldovan, Dr. Daniel Veres**, Institute of Speology, Romanian Academy.

## PROFESSIONAL PRESTIGE:

Certified by the following:

• Dr. A. Timar-Gabor acts as scientific referee for: *Quaternary Geochronology* (FI=4.015), *Quaternary Research* (FI=2.204), *Quaternary International* (FI=1.962), *Journal of Asian Earth Sciences* (FI=2.379), *Applied Radiation and Isotopes* (FI=1.170), *Geochronometria* (FI=1.653), *Radiation Physics and Chemistry* (FI=1.375), *Environmental Engineering and Management Journal* (FI=1.117), *Climate of the Past* (IF=4.231), *Radiation and Environmental Biophysics* (FI=1.754), *Radiation Measurements* (IF=0.896)

• The paper "Optical dating of Romanian loess using fine grained quartz" published in 2010 by Dr. Timar-Gabor is currently included in the ranking of the most cited articles published in the last 5 years in this journal.

<http://www.journals.elsevier.com/quaternary-geochronology/most-cited-articles/>

### • Awards:

- International Award „Vagn Mejdahl Prize“ for Outstanding Poster Presentation - „ 12<sup>th</sup> International Conference on Luminescence and Electron Spin Resonance Dating“, 18<sup>th</sup>- 22<sup>nd</sup> September 2008, Beijing, China.
- The story of my PhD, field of Environmental Science, CNCSIS 2010.
- Excellence in Research Award 2010 of the Babeş-Bolyai University Cluj Napoca
- Comenius Award 2011 of the Babeş-Bolyai University Cluj Napoca
- Certificate of Reviewing Excellence 2013 at the selection of editors of *Quaternary Geochronology* journal for recognition of high quality work.
- Certificate of Reviewing Excellence 2013 at the selection of editors of *Quaternary International* journal for recognition of high quality work.
- Excellentia 2014 Award, at the nomination of the council of students of Babeş-Bolyai University of Cluj Napoca.
- Finalist in 2014 UNESCO L`Oréal selection of "Women in Science".

### • Invited lectures:

Qinghai Institute of Salt Lakes (Chinese Academy of Sciences), Xinning, China - 24<sup>th</sup>-25<sup>th</sup> September 2008. ([http://www.isl.cas.cn/xwzx/xshd/200906/t20090607\\_573264.html](http://www.isl.cas.cn/xwzx/xshd/200906/t20090607_573264.html))

European workshop on the luminescence behavior and processes in quartz, Institut für Geologie, Universität Bern, 22-23 April 2013.

• Member in the scientific committee of "2013 annual meeting INQUA-SEQS, Correlations of Quaternary fluvial, eolian, deltaic and marine sequences"

## Scientific Research Grants:

### MANAGER

#### In progress

- TE grant / CNCS-UEFISCDI PN II- RU-TE-2011-3-0062/ 2011-2014- Manager - Dating the Romanian Part of the European Loess Belt Using Luminescence. (750 000 lei)
- <http://granturi.ubbcluj.ro/darolum/index.html>
- International contract of performance of work between Universitat de les Illes Balears, Palma de Mallorca, Spain, and Babeş-Bolyai University of Cluj Napoca, 2014- 2015- Complete OSL dating analysis of twenty eolianite samples. (6000 Euro)

- **National services contract Romanian Academy- Babes-Bolyai University Cluj Napoca, 2013-2014- Manager, – Dating cave sediments by OSL (11500 lei)**

#### Finalised

- **National services contract University of Bucharest- Babes-Bolyai University Cluj Napoca, 2012-2013- Manager, –OSL analysis of cave sediments. (9274 lei)**
- **National contract services University of Bucharest – Babes-Bolyai University Cluj Napoca, 2011-2012- Manager- Optically Stimulated Luminescence dating of 8 sediment samples collected from coastal barriers Saele, Chituc and Lupilor. (13 919 lei)**
- **TD grant / code CNCSIS 395/ 2008-2009- Manager - Retrospective luminescence dosimetry with applications in archeology, geology and environment. (35 406 RON)**
- **November 2005 - July 2006: Socrates/ Erasmus Scholarship, Ghent University, Belgium.**

#### TEAM MEMBER

##### In progress

Luminescence chronologies of late Pleistocene settlements in the Romanian Carpathians, 1 Oct 2013-31 March 2015, SCHM 3051/1-1 , funded by **DFG, the German Research Foundation**, Project Manager: Dr. Cristoph Schmidt.

**TE grant / CNCS-UEFISCDI PN-II-RU-TE-2012-3-0351/ 2013-2015** “Study on the anthropic influence on sedimentary processes in Danube Delta using radionuclides” - Project Manager: R. Begy.

##### Finalised

**PN II program / Project No. 32149/ 2008** – Experimental and clinical studies on radon in central Transylvania and morph physiological impact on human and animal respiratory system; Acronym SERTIR – Project Manager: C.Cosma.

**CEEX 749 / 2006 program** – Nuclear absolute ages with applications in archaeology, geology and environmental studies. Acronym VAMNA – Project Manager: C. Cosma.

**CEEX – MENER program/Project No. 747/2006** – Research on national radon mapping; RADROM; Project Manager: C. Cosma.

#### Member in conference organizing committees of:

- 8<sup>th</sup> Environment and Progress Conference-Environment, Research, Protection and Administration, Cluj Napoca, 2009.
- First East European radon symposium, *FERAS 2012*, September 2 – 5, 2012, Cluj-Napoca, Romania.
- INTIMATE Workshop on Terrestrial Records from Eastern Europe", March 7- 9, 2013, , Cluj-Napoca, Romania.

#### Supervisor of early stage researchers and teaching experience (see Annex 4)

Faculty of Environmental Science and Engineering/Babes-Bolyai University Cluj-Napoca- **8 years**

- Courses, seminars, and practical exercises on the following subjects: Environmental Radioactivity, Environmental Physics, Classical sources of energy and environmental pollution, Physics II, Radioecology, Physics of the Atmosphere, Nuclear Engineering, Nuclear Geochronology.
- Coordinator of bachelor and master degree dissertations.
- Coordinator of four student research projects.

Dr. A. Timar-Gabor coordinated the following foreign visitor’s students:

- Master student **Katalin Györgyövcis- Szeghed University, Hungary, April 2011.**
- PhD student **Dragan Popov – University of Novi Sad, Serbia, June 2012.**

•PhD student *Laura del Valle Villalonga* - Departament de Ciències de la Terra, **Universitat de les Illes Balears, Spain** – July 2013, March-May 2014.

Dr. A.Timar-Gabor has brought a substantial contribution to the coordination of Dr. Ștefan Vasiliniuc PhD thesis, for more information the abstract is available in Ancient TL at: [http://www.aber.ac.uk/en/media/theses\\_atl\(30\)\\_1.pdf](http://www.aber.ac.uk/en/media/theses_atl(30)_1.pdf).

At the moment Dr. Timar-Gabor coordinates a team composed of five Phd candidates (Daniela Constantin, Monica Zeciu-Dolha, Ionela Steopoaie Cârđan, Valentina Anechitei, Oana Trandafir) and five master students (Valentina Andrada-Roxana Pașcu, Cătălin Corcea, Andrada Camenita, Lorena Cimpean and Raluca Mihai) working in the Luminescence Dating and Dosimetry Laboratory.

### **Language skills and competences**

English- Cambridge Certificate in Advanced English

### **Computer skills and competences**

Microcal Origin/ Microsoft Office (Word, Excell, PowerPoint)/ Risø Software Package.

CLUJ NAPOCA,

June 18<sup>th</sup> 2014

ALIDA TIMAR-GABOR

