

# GEANINA-ADRIANA BUTISEACĂ

Senckenberg Forschungsinstitut und Naturmuseum  
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## PHD STUDENT

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## MAIN INTERESTS

**PALEOCLIMATOLOGY, PALEOENVIRONMENTAL RECONSTRUCTIONS, SURFACE PROCESSES, TECTONICS, GEOARCHAEOLOGY, PALAEOONTOLOGY**

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## KEY QUALIFICATIONS

- Three and a half years of lab work and field experience in organic geochemistry (biomarkers) and stable isotopes ( $\delta^2\text{H}$ ,  $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ) in Germany and Netherlands, on projects from Russia, Greece, Turkey, Romania, Bulgaria, Spain and Cyprus.
  - Six years in the oil and gas industry, activating in projects from Mongolia, Tajikistan, Hungary, Bulgaria, Romania, Egypt, New Zealand and Oman.
  - Good knowledge of sedimentology, paleontology, structural geology, tectonics, seismic interpretation, basin analysis, biomarkers analysis, charcoal, archaeobotany, archaeozoology, etc..
  - Good knowledge of Microsoft Office, Neuralog, Geographix, MapInfo, Kingdom Suite, Global Mapper, Canvas, Petrel, Adobe, Analyst, Grapher software packages and GCMS, IRMS, and HPLC operating systems.
  - Good control of 2D seismic and geological interpretation in GeoGraphix or Petrel.
  - Strong fieldwork skills developed over more than 12 years activity in both geology and archaeology.
  - Easy handling of large databases and collections of rocks, minerals and fossils.
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## PROFESSIONAL APPOINTMENTS

01/2018 – Present	Phd student, Senckenberg Institute, Frankfurt, Germany.
06/2016 – 09/2017	Research assistant, University of Bucharest.
07/2012 – 12/2017	Geologist engineer, Danubian Energy Consulting, Bucharest, Romania.
12/2011 – 06/2012	Technician, Danubian Energy Consulting, Bucharest, Romania.
12/2009 – 03/2010	Exhibition guide, Romexpo Romania.
2006 – 2009	Professional sport player, CSM Buzau.

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## EDUCATION

- Urbino Summer School of paleoclimatology– Urbino-Italy, July 2019. ECORD scholarship awarded.
- Medsalt School – Sorbas-Spain, April 2019. Grant.
- Research stage at NIOZ – Texel, Netherlands, February 2019.
- Medsalt School – UK, September 2018.
- Research stage at NIOZ – Texel, Netherlands, August 2018.
- GESEP school – Bochum (Germany), March 2018. Grant.

- RNI (Radiogenic and non-traditional isotopes) workshop, Goethe Universtat – Frankfurt, march 2018.
- PhD student at Senckenberg Institute – Frankfurt, 1st january 2018-present.
- Research stage at Senckenberg Institute – Frankfurt, February 2017.
- Magnetometry for archaeology course – University of Bucharest, 2017.
- Research stage at Senckenberg Institute – Frankfurt, September-October 2016.
- MSc in archaeology (Prehistory and Antiquity) – University of Bucharest, 2016-2018.  
Thesis: “The usage of marble in the Roman World (sec. II BC-II AD)”, in Romanian.
- MSc in Basin Analysis – Bucharest University, Romania (2012-2014).  
Thesis: “The influence of the Cenozoic movements over the sedimentary regime in South Dobrogea, Romania and Bulgaria”, in Romanian.
- BSc Geology (4 years study, engineer diploma) – Bucharest University, Romania (2012).  
Thesis: “The analysis of the titanosaur remains from Tustea, Hateg basin”, in Romanian.

### ABSTRACTS AND CONFERENCES

19. Feurdean, A., Diaconu, A., **Butiseaca, G.**, Galka, M., Hutchinson, S.M., Kirpotin, S., Pfeiffer, M., Tonkov, S. "Interaction between peatland moisture and plant functional types drives fire dynamics in forested peatlands in central-western Siberia". EGU, 2021.
18. Agiadi, K., Thivaiou, D., **Butiseaca, G.**, Kontakiotis, G., Zarkogiannis, S., Antonarakou, A., Koskeridou, E., Mulch, A., Vasiliev, I. "Seawater temperature, productivity and marine fish metabolism in the Messinian eastern Mediterranean". EGU, 2021.
17. Kontakiotis, G., **Butiseaca, G.**, Antonarakou, A., Karakitsios, V., Zarkogiannis, S., Besiou, E., Agiadi, K., Mulch, A., Vasiliev, I. "The eastern Mediterranean pre-MSC brine pool as an analogue for future subtropical hydroclimate". EGU, 2021.
16. **Butiseaca, G.A.**, van der Meer, M.T.J., Kontakiotis, G., Agiadi, K., Antonarakou, A., Mulch, A., Vasiliev, I. "Multiple crises before the big crisis: Early Messinian Eastern Mediterranean paleoclimate reconstruction inferred from biomarkers and stable isotopes (Crete, Greece)". EGU, 2021.
15. **Butiseaca, G.A.**, van der Meer, M., Giorgos Kontakiotis, Mulch, A., Vasiliev, I. "Extreme environmental changes affecting the Black Sea region during the late Miocene". GeoUtrecht 2020.
14. Vasiliev-Popa, I., Reichart, G.-J., van der Meer, M., Stoica, M., Krijgsman, W., van Baak, C., **Butiseaca, G.**, Niedermeyer, E., Mulch, A. "Different origin marine influxes hit Caspian Sea during Pleistocene". GeoUtrecht, 2020.
13. **G.A. Butiseaca**, G.Kontakiotis, E.Besiou, K.Agiadi, A.Antonarkou, A.Mulch, I.Vasiliev. "High salinity changes in response to tectonic restriction in the Upper Mediterranean". Goldschmidt, june.2020
12. Catalhoyuk 2019 Report, Jan.2020.
11. **G. Butiseaca**, "Marble in the Roman World".CICSA, june, 2019.
10. **G. Butiseaca**, A.M. Preda, "The influence of tectonics over the greek cities from Western Anatolia during the Antiquity-a shore migration story", CICSA annual meeting, Bucharest, april 2019.
9. D.Palcu, I.Sandic, T. Kouwenhoven, **G. Butiseaca**, I. Patina, W. Krijgsman, "Mega-lake floods in the Mediterranean during the late Miocene", EGU-Vienna, april 2019.
8. **G. Butiseaca**, I. Vasiliev, D.Palcu, A.Mulch, "Mid-Upper Miocene climate variations in Central Eurasia (Eastern Paratethys-Taman Peninsula) inferred from biomarkers analysis", EGU-Vienna, april 2019.
7. 'Histria 2018-Campain results, Sectorul Acropola Centru-Sud'. University of Bucharest, jan.2018.

6. **G. Butiseaca**, I. Vasiliev, T. Rabagia, A.Mulch, “ Miocene Climate status in the Moesian Platform (Romania and Bulgaria) based on biomarkers, sedimentology and tectonics”, RCMNS-Athens, 2017.
  5. **G. Butiseaca**, I. Vasiliev, T. Rabagia, C.Dinu , A.Mulch, “ Miocene Climate variations in the Moesian Platform sediments based on sedimentology and biomarkers”, EGU-Viena, 2017.
  4. **G. Butiseaca**, “The interplay between the flexural behavior and the post-miocene deformations over the accommodation space in the Moesian Platform”. Geodoct, Bucharest, 2016.
  3. **G. Butiseaca**, T. Rabagia, C.Dinu, “Post-Eocene deformations in the Eastern Moesian Platform. Tectonic evolution of the Shabla fault system”, AAPG, Bucharest-Abstracts volume, 2016
  2. **G. Butiseaca**, “The titanosaurs from Tustea, Hateg Basin”, SNSGG Baru Mare, Romania- Abstracts volume, 2014.
  1. **A-G. Butiseaca**, A. Oteleanu, A. Strachinaru, V. Apotrosoaie, A. Sendea “Taranaki Basin, New Zealand” - Imperial Barrel Award. Prague, 2014.
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### PAPERS

4. **G. Butiseaca, Preda A.M.**, “The influence of tectonics over the greek colonies in W.Anatolia during the Antiquity-a shore dynamics story”. CICSJ Journal, nr. V/2019, online.
  3. **G. Butiseaca**, “Marble in the roman world (II BC-II AD)”, CICSJ Journal, nr.IV/2018, online.
  2. Z. Csiki, **G. Butiseaca**, D. Grigorescu, M. Dumbrava, S. Vasile “A new piece to the puzzle- titanosaur skeletal remains from the Tustea dinosaur nesting site and its surroundings, Hateg basin, Romania”, 10th Annual Meeting of European Association of Vertebrate Palaeontologists, 2012, conference paper.
  1. Z. Csiki, **G. Butiseaca**, D. Grigorescu,” Taphonomic base in macro- and microvertebrate assemblages from the Maastrichtian of the Hateg Basin (Romania) and their relevance in the reconstruction of a fossil ecosystem”, 9th Annual Meeting of European Association of Vertebrate Palaeontologists, 2011, conference paper.
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### RESEARCH PROJECTS

- Quantification of sea surface temperature changes prior to the Mediterranean Messinian Salinity Crisis (Cyprus). In cooperation with National and Kapodistrian University of Athens.
- A multiproxy approach of the early Miocene of the Belenyenice section (Manisa, Turkey)-in cooperation with Leiden University and Fort Hoofddijk from Netherlands, Bratislava University and EGE University from Izmir.
- MEDMESS-( DFG project of Iuliana Vasiliev, VA 122/2-1) Quantification of the Mediterranean environmental conditions during the Messinian salinity crisis. 2018-2019.
- QUANTMES, DAAD project of Iuliana Vasiliev. 2018-2019.
- PN-II-RU-TE-2014-4-0050, 350/01/10/2015 ,, DACIAN BASIN Quantification of the environmental changes in the DACIAN Basin between 10 and 2.5 Ma.
- CNCS 1930/2009 “Maastrichtian continental paleo ecosystem from Hateg basin- reconstruction of a reference biocenosis from the late Cretaceous”.

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## **LANGUAGES**

Advanced: English and French;

Intermediate: Spanish, Italian;

Beginner: Latin, Greek;

Native: Romanian.