

PERSONAL INFORMATION



Mihaela Grădinaru

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📅 Date of birth 13 august 1977 | 🇷🇴 Nationality Romanian

POSITION

Lecturer

WORK EXPERIENCE

October 2008 – September 2011

Research Assistant at the University of Bucharest, Faculty of Geology and Geophysics, Department of Geology. Grant CNCIS IDEI 1922/2008-2011 - Jurassic hardgrounds of Romania: stratigraphy, genesis and palaeoecology of associated faunas – **Member of the research team.**

October 2011 - September 2016

Research Assistant at the Babeş Bolyai University of Cluj-Napoca, Faculty of Biology and Geology, Department of Geology. Grant CNCIS-UEFISCDI PN-II-ID-PCE-2011-3-0025/2011-2016 - The Piatra Craiului-Dâmbovicioara area: a multidisciplinary approach on a carbonate regressive megasequence - **Member of the research team.**

January 2018 – December 2018

Research Assistant at the University of Bucharest, Faculty of Geology and Geophysics, Department of Geology. Grant ICUB 2018/2019 pentru tineri cercetători din Universitatea din Bucureşti - *Microbial signatures and palaeoenvironmental conditions involved in the formation of ferruginous microbialites during the Middle-Upper Jurassic transition* – **Project manager**

October 2009 – January 2018

Assistant ProfessorFebruary 2018 – present
Adress**Lecturer**

University of Bucharest, Faculty of Geology and Geophysics, Department of Geology, Mineralogy and Paleontology, Romania

Teaching activities

Carbonate microfacies (3rd Year Undergraduate), Course and Laboratory practical sessions;**General Geology** (1rd Year Undergraduate), Course designed specifically for undergraduate Geography students: Meteorology-Hydrology, Territorial Planning and Tourism specializations;**Mesozoic carbonate platforms** (Postgraduate students) - Course and laboratory practical sessions;**Laboratory practical sessions:** Physical Geology I, II and Paleontology for undergraduates in Geology and Geophysics; General Geology (Faculty of Geography, Meteorology-Hydrology, Territorial Planning specializations).

Supervising the undergraduate students in their bachelor dissertations of sedimentology, paleontology and general geology areas.

Supervisor of papers prepared by students for participation in student symposia.

Preparing high school students (the olympic team) in General Geology and Paleontology for International Earth Science Olympiad

Field courses with undergraduate students in Geology.

Abroad scientific stage
September -October 2012Department of Geosciences, University of Arizona - Iron stable isotope analysis ($^{56}\text{Fe}/^{54}\text{Fe}$), strontium isotopes ($^{87}\text{Sr}/^{86}\text{Sr}$) and K-Ca dating on glauconite.

EDUCATION AND TRAINING

27 March 2012 **PhD in Geology**

University of Bucharest, Faculty of Geology and Geophysics, Department of Geology
 Title of the PhD thesis: Genesis of Jurassic hardground from the Bucegi Mountains (western side) and from Almajului Mountains (Svinita).

Main fields of study and the professional competencies acquired: Carbonate sedimentology (diagenesis and microfacies of carbonate rocks); petrographic and cathodoluminescence microscopy, geochemical and mineralogical studies of the discontinuity surfaces associated with condensed section, the scanning electron microscope (SEM) analyses, stable isotopes.

1 octombrie 2008 –
 30 septembrie 2011

Doctoral degree in Geology

Faculty of Geology and Geophysics, University of Bucharest

01 October 2007 – 30 June 2008

Master's degree in Geology

Faculty of Geology and Geophysics, University of Bucharest
 Evaluation of sedimentary basins

01 October 1998 – 30 June 2003

Bachelor's degree in Geology

Faculty of Geology and Geophysics, University of Bucharest
 Technical geology
 Diploma of Engineer Geology

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	B2	B2	B2	C1
English language skills certification, Ministry of education					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Job-related skills

Research expertise in carbonate sedimentology, microfacies and diagenesis analyses, petrographic and cathodoluminescence microscopy, stable isotope analysis, Scanning Electron Microscopy (SEM) with energy dispersive X-ray microanalysis (EDS), X ray diffraction and X ray fluorescence for the chemical and mineralogical composition of the carbonate samples.

Laboratory experience and data analyses: mineralogical and geochemical processing, polished slabs, acetophane peels and thin sections preparation position of the carbonate samples.

Good field experience in carbonate sedimentary deposits, particularly on sedimentological and paleontological data gathering.

Computer skills

Office, Corel Draw, Ocad, Photoshop, SmartDraw, Endnote, Carl Zeiss Axiovision

Other skills

Assistant editor of the national periodically editorial committee / BDI, Acta Palaeontologica Romaniae (2009-2024)

Driving license

Category B

ADDITIONAL INFORMATION

Honours and awards

Postdoctoral fellowship for young researchers, awarded of the Research Institute of the University of Bucharest (ICUB), 8 April – 7 October 2015.

Doctoral scholarship (POSDRU/6/1.5/S/24/2008) at the University of Bremen, Center for Marine Environmental Sciences (Marum, Germany), 18 January – 18 April 2010.

The 'Grigore Cobălcescu' Award of the Romanian Academy – 2022

Memberships

IAS Member (International Association of Sedimentologists)

Member of the Romanian Society of Paleontologists.

Papers published in ISI quoted journals

Grădinaru, M., Lazăr, I., Ducea, M.N., Petrescu, L., 2020. Microaerophilic Fe-oxidizing microorganisms in Middle Jurassic ferruginous stromatolites and the paleoenvironmental context of their formation (Southern Carpathians, Romania). *Geobiology*, 18(2): 1-28, DOI: 10.1111/gbi.12376

Pleş G., Schlagintweit F., Lazăr I., Bucur I.I., Săsăran E. & Grădinaru M., 2021. Exceptionally preserved calcified sponge assemblages in Upper Jurassic carbonates of the eastern Getic Carbonate Platform (Southern Carpathians, Romania). *Comptes Rendus Palevol* 20(31): 641-666. <https://doi.org/10.5852/cr-palevol2021v20a31>

Grădinaru, M., Lazăr, I., Bucur, I.I., Grădinaru, E., Săsăran, E., Ducea, M.N., Andraşanu, A., 2016. The Valanginian history of the eastern part of the Getic Carbonate Platform (Southern Carpathians, Romania): Evidence for emergence and drowning of the platform. *Cretaceous Research* 66, 11-42.

Lazăr I, Grădinaru M , 2014. Paleoenvironmental context and paleoecological significance of unique agglutinated polychaete worm tube–ferruginous microstromatolite assemblages from the Middle Jurassic of the Southern Carpathians (Romania). *Facies*, 60:515 – 540.

Lazăr I, Grădinaru M, Petrescu L. 2013. Ferruginous microstromatolites related to Middle Jurassic condensed sequences and hardgrounds (Bucegi Mountains, Southern Carpathians, Romania). *Facies*, 59:359 – 390.

Papers published in BDI journals

Grădinaru M, Lazăr I, Panaiotu EC (2011) Preliminary report on the microfacies analyses of the hardgrounds and condensed horizons associated to the Middle Jurassic deposits from Tătarului Gorges (Bucegi Mountains, SE Carpathians), *Acta Paleontologica Romaniae* 7:169-175

Bucur I.I., Grădinaru E, Lazăr I, Grădinaru M (2014) Early Cretaceous micropaleontological assemblages from a condensed section of the Codlea area (Southern Carpathians, Romania), *Acta Paleontologica Romaniae*, 9(2):67-84

Granier B, Bucur I.I., Grădinaru M (2014) A tribute to fossil calcareous algae, on the occasion of the 40th anniversary of the International "Fossil Algae" Association, *Acta Paleontologica Romaniae*, 10(1-2):3-4

Chapter in Guidebooks

Lazăr, I., Grădinaru, M., Andraşanu, A., Bucur, I.I., Săsăran, E., Stoica, M., 2017. Jurassic to Cretaceous evolution of the Eastern Getic Domain Rucăr-Bran Zone - Field Trip Guidebook, 27-28 September, 11th Romanian Symposium on Paleontology, Bucharest, Editura Universităţii din Bucureşti, ISBN 978-606-16-0911-6.

Lazăr, I., Grădinaru, M., Vasile, Ş. (eds.) 2017. Eleventh Romanian Symposium on Palaeontology, Bucharest, 27-28 September 2017, Abstract Book. Editura Universităţii din Bucureşti, 138 p

Lazăr, I., Săsăran, E., Grădinaru, M., Bucur, I.I., 2015. Lower and Middle Jurassic deposits from Vadu Crişului (Apuseni Mountains) - Field Trip Guidebook, 10th Romanian Symposium on Paleontology, Cluj-Napoca, 16-17 October 2015, Presa Universitară Clujeană, pag. 23-36, ISBN 978-973-595-875-6.

Săsăran, E., Bucur, I.I., Lazăr, I., Grădinaru, M., 2011 (eds.) 2011. Lower Cretaceous carbonate deposits and calcareous algae from Dambovicioara Basin, Calcareous algae from Romanian Carpathians – Field Trip Guidebook, 10th International Symposium on Fossil Algae Cluj-Napoca, Romania, 12-18 Septembrie, Presa Universitară Clujeană, pag. 97-114, 2011, ISBN 978-973-595-283-9.

Conferences / Abstracts published in
conference proceedings

Lazăr I., Balica C., Grădinaru M., Sandy M.R., Kolar-Jurkovšek T., Grădinaru E., Ducea M.N., Forel M.B., 2025. Metazoan-microbial assemblages from Upper Triassic Neptunian dikes and sills (Apuseni Mountains, Romania), The 15th Romanian Symposium on Palaeontology, September 10-14, 2025, Cluj-Napoca

Grădinaru, M., Lazăr, I., Stoica, M., Krobicki, M. & Popa, M., 2023. Microfacies and depositional environments of the Jurassic-Lower Cretaceous carbonate deposits of Munteana - Dumbrăvița section (Danubian Units, Romanian Carpathians). The 14th Romanian Symposium on Palaeontology, September 14-15, 2023, Bucharest

Lazăr, I., Grădinaru, M., Fernández-López, S. & Grigore, D., 2021. Hardgrounds and condensed horizons in the Middle Jurassic of the Romanian Carpathians: taphonomic analysis and paleoenvironmental significance. The 13th Romanian Symposium of Palaeontology, September 16-17.

Grădinaru, M., Petrescu, L., Lazăr, I., Ducea, M.N. 2019. Evidence of microbial and chemical signatures in Middle Jurassic ferruginous stromatolites from the Southern Carpathians, Romania. Goldschmidt

Grădinaru, M., 2018. Microbial signatures and palaeoenvironmental conditions involved in the formation of ferruginous microbialites during the Middle-Upper Jurassic transition. The Earth, Environmental and Life Sciences Division of ICUB Biology, Informatics and Social Sciences seminars, 15 June 2018.

Lazăr, I., Bucur, I.I., Grădinaru, M., Grădinaru, E., Săsăran, E., Andrășanu, A., 2018. Records of the global Valanginian events in the Getic Carbonate Platform (Southern Carpathians, Romania). International Meeting around the Jurassic-Cretaceous Boundary, 5-7 December 2018, Genève.

Grădinaru, M., Lazăr, I., Petrescu, L., Ducea, M.N., 2017. Geochemical and mineralogical microbial signatures recorded within Jurassic ferruginous stromatolites from the Romanian Carpathians. 27-28 September, 11th Romanian Symposium on Paleontology, Bucharest.

Grădinaru, E., Lazăr, I., Andrășanu, A., Grădinaru, M., 2017. *Neohoploceras submartini* (Mallada, 1887) - a key occurrence for timing the intra-Valanginian stratigraphic gap in the Dâmbovicioara Zone (Southern Carpathians, Romania). 27-28 September, 11th Romanian Symposium on Paleontology, Bucharest.

Lazăr, I., Sandy, M.R., Forel, M.-B., Grădinaru, E., Peckmann, J., Grădinaru, M., 2017. Late Triassic brachiopod *Halorella* assemblages from paleokarst cavities near Vașcău, Apuseni Mountains, Romania. 27-28 September, 11th Romanian Symposium on Paleontology, Bucharest.

Grădinaru, M., Petrescu, L., Lazăr, I., Ducea, M.N., Andrășanu, A., 2016. Geochemical and mineralogical microbial signatures recorded within the condensed deposits of the Middle-Upper Jurassic transition on the Romanian territory, 27 august- 04 September, 35th International Geological Congress.

Grădinaru, M., Lazăr, I., Andrășanu, A., Petrescu, L. 2015. Rediscovery of the famous Callovian section from Lupului Valley (Rucăr zone, South Carpathians, Romania) first described by Simionescu in 1899. 16-17 October 2015, 10th Romanian Symposium on Paleontology, Cluj-Napoca.

Lazăr, I., Săsăran, E., Grădinaru, M., Bucur, I. I., Andrășanu, A. 2015. The palaeoenvironmental significance of the *Trypanites-Entobia* ichnofacies and of the microendolithic ichnocenoses associated to the intra-Valanginian drowning unconformity from Dâmbovicioara area (Southeastern Carpathians, Romania). 16-17 October 2015, 10th Romanian Symposium on Paleontology, Cluj-Napoca.

Panaiteescu, D., Grădinaru, M., Lazăr, I., 2015. Late Jurassic – Early Cretaceous carbonate clasts within the Upper Member of Bucegi Conglomerates – preliminary study of the microfacies with *Lithocodium-Bacinella* consortium". 16-17 October 2015, 10th Romanian Symposium on Paleontology, Cluj-Napoca.

Lazăr, I., Grădinaru, M., Petrescu, L., 2015. Microbialites associated with Middle Jurassic (Bathonian–Callovian) condensed sequences from Southeastern Carpathians, Romania. 22-25 June 2015, 31st IAS Meeting of Sedimentology, Kraków.

Lazăr, I., Săsăran, E., Grădinaru, M., Bucur, I.I., 2015. Exceptionally preserved bioerosive structures on an intra-Valanginian phosphatized drowning unconformity from Southern Carpathians, Romania. 22-25 June 2015, 31st IAS Meeting of Sedimentology, Kraków.

- Lazăr, I., Krobicki, M., Grădinaru, M., Popa, M.E., 2015. Sedimentological record of the Jurassic–earliest Cretaceous history of the Moesian plate passive margin (Danubian units, Romanian Carpathians). 22-25 June 2015, 31st IAS Meeting of Sedimentology, Kraków.
- Lazăr, I., Grădinaru, M., 2014. Palaeoenvironmental context and palaeoecological significance of microbialites – metazoan assemblages from condensed deposits at the Middle-Upper Jurassic transition (Getic Unit, Southern Carpathians, Romania). 06-09 January 2014, 9th International Congress on the Jurassic System, Jaipur, India.
- Lazăr, I., Krobicki, M., Grădinaru, M., Popa M.E., 2014. Jurassic - Early Cretaceous evolution of the passive margin of the Moesian Plate (Danubian Unit, Romanian Carpathians). 06-09 January 2014, 9th International Congress on the Jurassic System, Jaipur, India.
- Lazăr, I., Grădinaru, M., 2013. Microbialite feruginoase asociate faciesurilor condensate jurasice din Domeniului Danubian (Carpații Sudici, Munții Almăjului). Sesiunea Științifică Anuală "Ion Popescu Voitești", 2013, Cluj-Napoca.
- Grădinaru, M., Lazăr, I., Bucur, I.I., Ducea, M.N., Săsăran, E., Andrașanu, A., 2013. Evidences of Early Cretaceous global crisis in South Carpathians (Dâmbovicioara zone, Romania). 25-26 Octombrie 2013, 9th Romanian Symposium of Paleontology, Iași, România.
- Lazăr, I., Grădinaru, M., Andrașanu, A., Grigore, D., 2013. Microbialites –metazoans interactions through the Middle-Upper Jurassic transition (Rucăr-Bran zone, South Carpathians, Romania). 25-26 Octombrie 2013, 9th Romanian Symposium of Paleontology, Iași, România.
- Bucur, I.I., Grădinaru, M., Lazăr, I., Mircescu, C.V., Săsăran, E., Ungur, C.G., 2013. Neocomian microfossil assemblages in the limestones from Piatra Craiului Mountains and Dâmbovicioara zone. 25-26 Octombrie 2013, 9th Romanian Symposium of Paleontology, Iași, România.
- Krobicki, M., Golonka, J., Lazăr, I., Grădinaru, M., 2013. Late Paleozoic and Mesozoic evolution of the Peri-Gondwanan plates (including Lhasa Block) with first discovery of the Early Jurassic Lithiotis-type bivalves in the Carpathians (Romania) and their paleobiogeographical significance. 16-19 October 2013, International conference organized at the occasion of 60th anniversary of the foundation of the Geological Institute, Slovak Academy of Sciences.
- Grădinaru, M., Lazăr, I., Bucur, I., Săsăran, E., 2012. Ferruginous microbialites related to discontinuities and condensed horizons in the Middle-Late Jurassic succession of the Southern Carpathians (Romania). 10-13 Septembrie 2012, 29th IAS Meeting of Sedimentology Schladming (Austria).
- Lazăr, I., Grădinaru, M., Petrescu, L., 2011. Discontinuities and condensed horizons in the Middle-Upper Jurassic succession from Bucegi Mountains (SE Carpathians). 01-10 Octombrie 2011, International Symposium on the Geology of the Black Sea Region, Bucharest, Romania.
- Lazăr, I., Grădinaru, M., Petrescu, L., 2011. Stromatolites from Middle Jurassic condensed horizon and hardgrounds of Southeastern Carpathians, Romania. 12-18 Septembrie 2011, 10th International Symposium on Fossil Algae Cluj-Napoca, România.
- Grădinaru, M., Lazăr, I., Petrescu, L., 2011. Evidence of microbial related structures within the Jurassic ferroan macro-oncoids and hardgrounds from the Bucegi Mountains (Southeastern Carpathians, Romania). 05-08 Iulie 2011, 28th IAS Meeting of Sedimentology Zaragoza (Spain).
- Grădinaru, M., Panaiotu, C., Lazăr, I., 2010. Microfacies analyses of the Middle Jurassic hardgrounds from the Bucegi Mountains (SE Carpathians). 23-26 Septembrie 2010, XIX Congress of the Carpathian-Balkan Geological Association, Thessaloniki, Greece.
- Lazăr, I., Grădinaru, M., 2009. Fossil assemblages associated with the Jurassic hardgrounds from the Bucegi Mountains (Eastern Carpathians, Romania). 28 August – 03 Septembrie 2009, International Scientific Committee of the 8th IGCP 506 Symposium in Bucharest, Romania.
- Grădinaru, M., Panaiotu, C., Petrescu, L., Lazăr, I., 2009. Sedimentary patterns, carbonate diagenesis and geochemistry of the Jurassic hardgrounds from Bucegi Mountains (Eastern Carpathians). 22-24 Octombrie 2009, Al 7-lea Simpozion Național de Paleontologie din Cluj-Napoca.
- Grădinaru, M., Lazăr, I., Petrescu, L., 2009. Mineralogical and geochemical markers used in hardgrounds studies – case study: Jurassic hardgrounds of Bucegi. 22-23 Mai 2009, Simpozionul Național de Geologie și Geofizică.