

Ramona Bălc

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Date and Place of Birth: July 20th, 1975, com. Poiana Blenchii, Sălaj, Romania

Institution: Faculty of Environmental Science and Engineering and Interdisciplinary Research Institute for Bio-Nano-Science, Babeş-Bolyai University (BBU), Cluj-Napoca, Romania

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PhD in Geology 2007, BBU

Professional experience: October 2008 - present: Faculty of Environmental Science and Engineering, BBU, Cluj-Napoca, Romania: lecturer. Description: teaching and research activities.

Education: 2007: PhD in Geology; 2002: Master`s Diploma in Integrated Geological Studies, Faculty of Biology and Geology, BBU; July 2001: Bachelor`s Degree in Geology-Geography, Faculty of Biology and Geology, BBU.

Research Interests: Geology, Sedimentary Basins, Paleontology, Biostratigraphy, Paleoclimatology, Environmental Science. Namely: Micropaleontology – Calcareous Nannoplankton Biostratigraphy and Palaeoecology.

Publications: 25 articles published in peer-reviewed journals starting 2010, 14 articles published in international databases journals, 4 articles under review.

H (web of science) = 6 (9 according to Google Scholar)

Conference attendance: 17 national and international meetings (2015-2020), ~8 oral presentations, and 9 poster presentation

Student supervision: supervised and co-supervised 27 bachelor and master`s dissertations (2015-2020).

Awards and distinctions (selection):

2017- “Excellentia” award and “Bologna Professor Gala” award in recognition of outstanding teaching activities, at the nomination of the BBU council of students

Publications

Articles:

ISI Journals

1. Beldean, C., Filipescu, S., **Bălc, R.**, 2010. An Early Miocene biserial foraminiferal event in the Transylvanian Basin (Romania). **Geologica Carpathica**, 61/3: 227-234
2. Cetean, C.G., **Bălc, R.**, Kaminski, M.A., Filipescu, S., 2011. Integrated biostratigraphy and paleoenvironments of an upper Santonian-upper Campanian succession from the southern part of the Eastern Carpathians, Romania. **Cretaceous Research**, 32/5: 575-590
3. Kaminski, M.A., Cetean, C.G., **Bălc, R.**, Coccioni, R., 2011. Upper Cretaceous deep-water agglutinated foraminifera from the Contessa Highway Section, Umbria-Marche Basin, Italy: taxonomy and biostratigraphy. In: Filipescu, S & Kaminski, M.A. (eds), Proceedings of the 8th International Workshop on Agglutinated Foraminifera. Grzybowski Foundation Special Publication, **16**: 71-106.
4. **Bălc, R.**, Zaharia, L., Suciuc-Krausz, E., Kristaly, F., 2012. New upper Cretaceous deposits in the south-eastern Trascau Mountains (Apuseni Mts., Romania). **Carpathian Journal of Earth and Environmental Sciences**, 7/1: 17-26
5. Beldean, C., Filipescu, S., **Bălc, R.**, 2012. Paleoenvironmental and biostratigraphic data for the Early Miocene of the North-Western Transylvanian Basin based on planktonic foraminifera. **Carpathian Journal of Earth and Environmental Sciences**, 7/1: 171-184
6. Bindiu, R., **Bălc, R.**, Filipescu, S., 2013. Biostratigraphy and paleoenvironment of the Late Cretaceous deposits of the Tarcau Nappe (Eastern Carpathians) based on foraminifera and calcareous nannoplankton. **Geologica Carpathica**, 64/2: 117-32
7. Kaminski, M.A., Kender, S., Ciurej, A., **Bălc, R.**, Setoyama, E., 2013. Pliocene Agglutinated Benthic Foraminifera from Site U1341 in the Bering Sea (IODP Expedition 323). **Geological Quarterly**, 57/2: 335-342
8. Vremir, M., **Bălc, R.**, Csiki-Sava, Z., Brusatte, S.L., Dyke, G., Naish, D., 2014. Petrești-Arini – an important but ephemeral Upper Cretaceous continental vertebrate site in the southwestern Transylvanian Basin, Romania. **Cretaceous Research**, 49: 13-38
9. Bindiu-Haitonic, R-E., Filipescu, S., **Bălc, R.**, Gligor, D-M., Barbu, L., 2016. The middle/late Eocene transition in the Eastern Carpathians (Romania) based on foraminifera and calcareous nannofossil assemblages. **Geological Quarterly**, 60(1): 38-55
10. Zaharia, L., **Bălc, R.**, Stremțan, C.C., Socaciu, A., 2016. Geochemistry of Upper Cretaceous sediments of Bozeș Formation (Apuseni Mts., Romania) – provenance implications. **Geological Quarterly**, 60(3): 747-758
11. Ganea, I-V., Roba, C., Gligor, D., Farkas, A., **Bălc, R.**, Moldovan, M., 2017. Assessment of environmental quality in Lacu Sărat area (Brăila county, Romania). **Carpathian Journal of Earth and Environmental Sciences**, 12(2):377-387
12. Bindiu-Haitonic, R., Niculici, S., Filipescu, S., **Bălc, R.**, Aroldi, C., 2017. Biostratigraphy and palaeoenvironments of the Eocene deep-water deposits of the Tarcau Nappe (Eastern Carpathians, Romania) based on agglutinated foraminifera and calcareous nannofossil assemblages. In: Kaminski, M.A. & Alegret, L., (eds), 2016. Proceedings of the Ninth International Workshop on Agglutinated Foraminifera. *Grzybowski Foundation Special Publication*, **22**, 17-37
13. Teleșpan, A., **Bălc, R.**, Kaminski, M.A., 2017. Seasonal variation in populations of *Entzia macrescens* (Brady) from a salt marsh in Transylvania, Romania. In: Kaminski, M.A. & Alegret, L., (eds), 2016. Proceedings of the Ninth International Workshop on Agglutinated Foraminifera. *Grzybowski Foundation Special Publication*, **22**, 221-227

14. Antohi-Trandafir, O., Timar-Gabor, A., Vulpoi, A., **Bălc, R.**, Longman, J., Vereş, D., Simon, S., 2018. Luminescence properties of natural muscovite relevant to optical dating of contaminated quartz samples. **Radiation Measurements**, 109: 1-7
15. **Bălc, R.**, Tămaş, T., Popiţă, G., Vasile, G., Bratu, M.C., Gligor, D.M., Moldovan, C., 2018. Assessment of chemical elements in soil, grapes and wine from two representative vineyards in Romania. **Carpathian Journal of Earth and Environmental Sciences**, 13(2): 435-446
16. Ispas, G., Roba, C., **Bălc, R.**, Coadă, M., Gligor, D., 2018. The quality of water and soil in Haneş mining area, Alba County, Romania. **Carpathian Journal of Earth and Environmental Sciences**, 13(2): 505-514.
17. Kaminski, M.A., Septriandri, A.C., **Bălc, R.**, Gull, H.M., Amao, A.O., Babalola, L.O., 2018. Middle Jurassic planktonic foraminifera in Saudi Arabia – a new biostratigraphical marker for the J30 maximum flooding surface in the Middle East. **Stratigraphy**, 15(1): 37-46
18. Kallanxhi, M-E, **Bălc, R.**, Ćorić, S., Székely, S-F., Filipescu, S., 2018. The Rupelian – Chattian transition in the north-western Transylvanian Basin (Romania) revealed by calcareous nannofossils: implications for biostratigraphy and palaeoenvironmental reconstruction. **Geologica Carpathica**, 69(3): 264-282
19. Chelaru, R., Săsăran, E., Tămaş, T., **Bălc, R.**, Bucur, I.I., Pleş, G., 2019. Middle Miocene carbonate facies with rhodoliths from the NW Transylvanian Basin (Vălenii Şomcutei Cave, Romania). **Facies**, 65(4): 1-16
20. Barhoumi, B., Beldean-Galea, S.M., Al-Rawabdeh, A.M., Roba, C., Martonos, I.M., Bălc, R., Kahlaoui, M., Touil, S., Tedetti, M., Driss, M.R., Baciuc, C., 2019. Occurrence, distribution and ecological risk of trace metals and organic pollutants in surface sediments from a Southeastern European river (Someşu Mic River, Romania). **Science of the Total Environment**, 660: 660-676
21. Farkas, A., Mereuti, F., Butiuc-Keul, A., Podar, D., Roba, C., **Bălc, R.**, 2020. Effects of long-term exposure to heavy metals upon rizosphere bacteria from Baia Mare area (Maramureş County, Romania). **Geomicrobiology Journal**, 37 (9): 867-876
22. Filipescu, S., Tămaş, D.M., Bercea, R-I., Tămaş, A., **Bălc, R.**, Ţabără, D., Bindiu-Haitonic, R., Silye, L., Auer, A., Krézsek, C., Schléder, Z., Săsăran, E., 2020. Biostratigraphic re-evaluation of the lower to middle Miocene succession in the Eastern Carpathians: a case study to the oil fields of the Diapir Fold Zone, Romania. **Geological Quarterly**, 64(3): 783-802
23. Ispas, G-M., Roba, C., **Bălc, R.**, Gligor D-M., 2020. The content of nutrients and contaminant in soil and vegetables cultivated in several greenhouses from Botoşani county and their impact on human health. **Carpathian Journal of Earth and Environmental Sciences**, 15(2): 415-428
24. **Bălc, R.**, Roba, C., Roşian, G., Costin, D., Horvath, C., Zglobiu, O.R., Chirtoş, D., 2020. Changes in the physico-chemical properties of topsoil in a landslide-affected area (western part of the Transylvanian Basin, Romania). **Geological Quarterly**, 64(4): 0-0
25. Kaminski, M.A., Amao, A.O., Babalola, L.O., **Bălc, R.**, Chan, S.A., Gull, H.M., Khamsin, A.B., Malik, M.H., 2020. Benthic foraminiferal assemblages from maximum flooding surface J30, Middle Jurassic Dhurma Formation, Central Saudi Arabia. **Stratigraphy**, 17(4): 279-292

International databases journals

1. Chira C., **Bălc, R.**, 2002: Miocene calcareous nannofossils from Dej-Reteag-Ciceu area (Transylvanian Basin, Romania). Biostratigraphical importance and paleogeographical data. **Acta Paleontologica Romaniae**, III: 53-65 <http://www.geo-paleontologica.org/actapalrom/>
2. **Bălc, R.**, Chira C., 2002: The preliminary study of the Upper Cretaceous calcareous nannofossils from Alba Iulia area, Transylvania. **Studia UBB Geologia**, Special Issue 1: 37-50 www.doaj.org
3. Chira C., **Bălc, R.**, Vulc A-M., 2004: Cretaceous nannofossils from Ceru Băcăinţi area, Apuseni Mountains, Romania. **Acta Paleontologica Romaniae**, IV: 89-96 <http://www.geo-paleontologica.org/actapalrom/>
4. Săsăran L., **Bălc, R.**, Săsăran E., 2005: Sedimentologic and micropaleontological study of an Upper Cretaceous (Santonian – Campanian) regressive facies development from basin to upper slope sediments (Gilau Mountains, Plescuta Valley, NW – Romania). **Acta Paleontologica Romaniae**, V: 441-450 <http://www.geo-paleontologica.org/actapalrom/>
5. Suciuc-Krausz E., **Bălc, R.**, Borbei F., 2006: New data on the Western Transylvanides along Ampoi Valley (Southern Apuseni Mountains, Romania). **Studia UBB Geologia**, 51/1-2: 55-65 www.doaj.org
6. **Bălc, R.**, Suciuc-Krausz E., Borbei F., 2007: Biostratigraphy of the Cretaceous deposits in the Western Transylvanides from Ampoi Valley (Southern Apuseni Mountains, Romania). **Studia UBB Geologia**, 52 (2): 37- 43 www.doaj.org

7. Tanțău, I., Pendea, I. F., Gray, J., Ghale B., Beldean, C., Bădărău, A.S., Miclea, A., **Bălc, R.**, Toth, A., 2008. Middle Weichselian paleoenvironments in north-western Transylvania: sedimentology, palinology and malacofauna analysis. **Acta Paleontologica Romaniae**, VI: 349-363 <http://www.geopaleontologica.org/actapalrom/>
8. Cetean, C.G., **Bălc, R.**, Kaminski, M.A., & Filipescu, S., 2008. Biostratigraphy of the Cenomanian-Turonian boundary in the Eastern Carpathians (Dambovita Valley): Preliminary observations. **Studia UBB Geologia**, 53/1: 11-23 www.doaj.org
9. Pop, D., **Bălc, R.**, Iancu, I., Forray, F., 2009. The „Night of Museums” at the Museum of Mineralogy, Babes-Bolyai University Cluj-Napoca. **Studia UBB Geologia**, 2009, Special Issue, MAEGS – 16: 43-45 www.doaj.org
10. Varga, M. I., **Bălc, R.**, Maloș, C. V., Șamșudean, C., Borbei, F., 2011. Waste dumps rehabilitation measures based on physico-chemical analyses in Zăghid mining area (Sălaj County, Romania). **AES Bioflux**, 3/2: 156-166 www.aes.bioflux.com.ro/home/volume-3-2-2011/
11. **Bălc, R.**, Sylie, L., Zaharia, L., 2012. Calcareous nannofossils and sedimentary facies in the Upper Cretaceous Bozeș Formation (Southern Apuseni Mountains, Romania), **Studia UBB Geologia** 57 (1): 23-32 www.doaj.org
12. **Bălc, R.**, Zaharia, L., 2013. Sedimentary deposition of Bozes Formation (Apuseni Mts., Romania) – detrital zircon dating and micropaleontological ages. **Studia UBB Geologia** 58 (2): 29-40 www.doaj.org
13. Măcițășan, V., Roșian G., **Bălc, R.**, Muntean, L., 2013. The process of pedogenesis on mine dumps (a case study: Aghireș mining area, Romania). **Geographia Napocensis**, VII/1: 49-54 <http://journals.indexcopernicus.com/karta.php?action=masterlist&id=5723>
14. **Bălc, R.**, Roșian, G., Trif, A., 2017. The landslides characterization based on physical parameters of the soil from Copăceni village (Cluj County, Romania) – causes, effects and technical measures for rehabilitation. **Geographia Napocensis**, X/2: 81-86 <http://journals.indexcopernicus.com/karta.php?action=masterlist&id=5723>

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