

**Justificarea criteriilor stabilite prin Ordinul MECTS nr. 4204/17.07.2013 privind aprobarea standardelor minimale și obligatorii pentru conferirea titlurilor didactice din învățământul superior, conform Anexei nr. 2 (Comisia Științele Pământului, Geologie)**

**Dr. Mihai E. Popa**

| <b>Criterii</b>                                     | <b>Indicatori</b> | <b>Punctaj minim</b> | <b>Punctaj realizat</b> | <b>Validare</b> |
|---|-------------------|----------------------|-------------------------|-----------------|
| <b>C<sub>1</sub></b>                                | I <sub>1</sub>    |                      | 69,791                  | îndeplinit      |
|   | I <sub>2</sub>    |                      | -                       |                 |
|   | <b>Total</b>      | <b>30</b>            | <b>69,791</b>           |                 |
| <b>C<sub>2</sub></b>                                | I <sub>3</sub>    |                      | 7,000                   | îndeplinit      |
|   | <b>Total</b>      | <b>6</b>             | <b>7,000</b>            |                 |
| <b>C<sub>3</sub></b>                                | I <sub>4</sub>    |                      | 7,000                   | îndeplinit      |
|   | I <sub>5</sub>    |                      | 10,500                  |                 |
|   | <b>Total</b>      | <b>3</b>             | <b>17,500</b>           |                 |
| <b>C<sub>4</sub></b>                                | I <sub>6</sub>    |                      | 2,000                   | îndeplinit      |
|   | I <sub>7</sub>    |                      | -                       |                 |
|   | I <sub>8</sub>    |                      | -                       |                 |
|   | I <sub>9</sub>    |                      | -                       |                 |
|   | I <sub>10</sub>   |                      | 7,429                   |                 |
|   | I <sub>11</sub>   |                      | 2,250                   |                 |
|   | <b>Total</b>      | <b>4</b>             | <b>11,679</b>           |                 |
| <b>C<sub>5</sub></b>                                | I <sub>12</sub>   |                      | 19,571                  | îndeplinit      |
|   | I <sub>13</sub>   |                      | 1,318                   |                 |
|   | I <sub>14</sub>   |                      | 0,000                   |                 |
|   | I <sub>15</sub>   |                      | 2,000                   |                 |
|   | I <sub>16</sub>   |                      | 1,000                   |                 |
|   | <b>Total</b>      | <b>2,5</b>           | <b>23,889</b>           |                 |
| <b>C<sub>6</sub></b>                                | I <sub>17</sub>   |                      | 4,000                   | îndeplinit      |
|   | I <sub>18</sub>   |                      | 32,000                  |                 |
|   | <b>Total</b>      | <b>4</b>             | <b>36,000</b>           |                 |
| <b>C<sub>7</sub></b>                                | I <sub>19</sub>   |                      | 6,000                   | îndeplinit      |
|   | I <sub>20</sub>   |                      | 10,000                  |                 |
|   | <b>Total</b>      | <b>10</b>            | <b>16,000</b>           |                 |
| <b>C<sub>8</sub></b>                                | I <sub>21</sub>   |                      | 19,000                  | îndeplinit      |
|   | <b>Total</b>      | <b>8</b>             | <b>19,000</b>           |                 |
| <b>Punctaj total I<sub>1</sub> - I<sub>21</sub></b> |                   | <b>67,500</b>        | <b>200,859</b>          | îndeplinit      |

## I<sub>1</sub>. Articole în extenso în reviste cotate ISI - Science Citation Index Expanded (SCIE)

Calcul:  $4+F_i$  pe articol. Punctaj realizat: 69,791 puncte.

1. Givulescu, R., Popa, M.E., 1998. *Aninopteris formosa* Givulescu et Popa, gen. et sp. nov., a new Liassic matoniaceous genus and species from Anina, Banat, Romania. Review of Palaeobotany and Palynology 104, 51-66.  $F_i=1,656$ , punctaj: 5,656.
2. Popa, M.E., 2000. Aspects of Romanian Early Jurassic palaeobotany and palynology. Part II. A new species of *Pachypteris* from Cristian. Review of Palaeobotany and Palynology 111, 31-47.  $F_i=1,656$ , punctaj: 5,656.
3. Guignard, G., Popa, M.E., Barale, G., 2004. Ultrastructure of Early Jurassic fossil plant cuticles: *Pachypteris gradinarui* POPA. Tissue and Cell 36, 263-273.  $F_i=1,049$ , punctaj: 5,049.
4. Popa, M.E., 2005. Aspects of Romanian Palaeozoic palaeobotany and palynology. Part II. Overview of the Upper Carboniferous formations in the South Carpathians. Zeitschrift der Deutschen Gesellschaft für Geowissenschaften 156, 415-430.  $F_i=0,538$ , punctaj: 4,538.
5. Philippe, M., Barbacka, M., Grădinaru, E., Iamandei, E., Iamandei, S., Kazmer, M., Popa, M.E., Szakmany, G., Tchoumatchenco, P., Zaton, M., 2006. Fossil wood and Mid-Eastern Europe terrestrial paleobiogeography during the Jurassic-Early Cretaceous interval. Review of Palaeobotany and Palynology 142, 15-32.  $F_i=1,656$ , punctaj: 5,656.
6. McElwain, J.C., Popa, M.E., Hesselbo, S.P., Haworth, D.M., Surlyk, F., 2007. Macroecological responses of terrestrial vegetation to climatic and atmospheric change across the Triassic/Jurassic boundary in East Greenland. Paleobiology 33, 547-573.  $F_i=2,456$ , punctaj: 6,456.
7. Popa, M.E., McElwain, J.C., 2009. Bipinnate *Ptilozamites nilssonii* from Jameson Land and new considerations on the genera *Ptilozamites* Nathorst 1878 and *Ctenozamites* Nathorst 1886. Review of Palaeobotany and Palynology 153, 386-393.  $F_i=1,656$ , punctaj: 5,656.
8. Pienkowski, G., Popa, M.E., Kedzior, A., 2009. Early Jurassic sauropod footprints of the Southern Carpathians, Romania: palaeobiological and palaeogeographical significance. Geological Quarterly 53, 461-470.  $F_i=0,865$ , punctaj: 4,865.
9. Popa, M.E., Psenicka, J., 2010. The Pennsylvanian *Pecopteris ticleanui* sp. nov. from Secu, Reșița Basin, Romania. Bulletin of Geosciences 85, 663-670.  $F_i=1,495$ , punctaj: 5,495.
10. Steinthorsdottir, M., Bacon, K.L., Popa, M.E., Bochner, L., McElwain, J.C., 2011. Bennettitalean leaf cuticle fragments (here *Anomozamites* and *Pterophyllum*) can be used interchangeably in stomatal frequency-based palaeo-CO<sub>2</sub> reconstructions. Palaeontology 54, 867-882.  $F_i=1,804$ , punctaj: 5,804.
11. Popa, M.E., Cleal, C.J., 2012. Aspects of Romanian Palaeozoic Palaeobotany and Palynology. Part III. The Late Carboniferous flora of Baia Nouă, Sirinia Basin. Geologia Croatica 65, 329-243.  $F_i=0,500$ , punctaj: 4,500.
12. Kedzior, A., Popa, M.E., 2013. Sedimentology of the Early Jurassic terrestrial Steierdorf Formation in Anina, Colonia Cehă Quarry, South Carpathians, Romania. Acta Geologica Polonica 63, 175-199.  $F_i=0,804$ , punctaj: 4,804.
13. Popa, M.E., Kvacek, J., Vasile, Ș., Csiki-Sava, Z., 2014. Maastrichtian monocotyledons of the Rusca Montană and Hațeg basins, South Carpathians, Romania. Review of Palaeobotany and Palynology 210, 89-101.  $F_i=1,656$ , punctaj: 5,656.

### **I<sub>3</sub>. Număr de articole publicate în reviste indexate ISI.**

Calcul: n. Punctaj realizat: 7 puncte.

1. Popa, M.E., 1992. The Early Liassic of Anina: New Paleobotanical Aspects. Documenta Naturae 1-3, 1-9.
2. Givulescu, R., Popa, M.E., 1994. Eine neue *Dictyophyllum* - Art aus dem unteren Lias von Anina (Rumanien). Documenta Naturae 84, 42-46.
3. Popa, M.E., 1999. The Early Permian Megaflora from the Reșița Basin, South Carpathians, Romania. Acta Palaeobotanica Supp. 2, 47-59.
4. Popa, M.E., Van Konijnenburg - Van Cittert, J.H.A., 1999. Aspects of Romanian Early Jurassic palaeobotany and palynology. Part I. In situ spores from the Getic Nappe, Banat, Romania. Acta Palaeobotanica Supp. 2, 181-195.
5. Popa, M.E., Van Konijnenburg - Van Cittert, J.H.A., 2006. Aspects of Romanian Early - Middle Jurassic palaeobotany and palynology. Part VII. Successions and floras. Progress in Natural Sciences 16, 203-212.
6. Popa, M.E., 2014. Early Jurassic bennettitalean reproductive structures of Romania. Palaeobiodiversity and Palaeoenvironments 94, 327-362.
7. Barbacka, M., Bodor, E., Jarzynka, A., Kustatscher, E., Pacyna, G., Popa, M.E., Scanu, G.G., Thevenard, F., Ziaja, J., 2014. European Jurassic floras: statistics and palaeoenvironmental proxies. Acta Palaeobotanica 54, 173-195.

### **I<sub>4</sub>. Articole in extenso publicate în reviste și proceedings-uri indexate ISI.**

Calcul: 1 punct pe articol. Punctaj realizat: 7 puncte.

1. Popa, M.E., 1992. The Early Liassic of Anina: New Paleobotanical Aspects. Documenta Naturae 1-3, 1-9.
2. Givulescu, R., Popa, M.E., 1994. Eine neue *Dictyophyllum* - Art aus dem unteren Lias von Anina (Rumanien). Documenta Naturae 84, 42-46.
3. Popa, M.E., 1999. The Early Permian Megaflora from the Reșița Basin, South Carpathians, Romania. Acta Palaeobotanica Supp. 2, 47-59.
4. Popa, M.E., Van Konijnenburg - Van Cittert, J.H.A., 1999. Aspects of Romanian Early Jurassic palaeobotany and palynology. Part I. In situ spores from the Getic Nappe, Banat, Romania. Acta Palaeobotanica Supp. 2, 181-195.
5. Popa, M.E., Van Konijnenburg - Van Cittert, J.H.A., 2006. Aspects of Romanian Early - Middle Jurassic palaeobotany and palynology. Part VII. Successions and floras. Progress in Natural Sciences 16, 203-212.
6. Popa, M.E., 2014. Early Jurassic bennettitalean reproductive structures of Romania. Palaeobiodiversity and Palaeoenvironments 94, 327-362.
7. Barbacka, M., Bodor, E., Jarzynka, A., Kustatscher, E., Pacyna, G., Popa, M.E., Scanu, G.G., Thevenard, F., Ziaja, J., 2014. European Jurassic floras: statistics and palaeoenvironmental proxies. Acta Palaeobotanica 54, 173-195.

### **I<sub>5</sub>. Articole in extenso publicate în reviste indexate în baze de date internaționale (BDI)**

Calcul: 0,5 puncte pe articol. Punctaj realizat: 10,50 puncte.

1. Popa, M.E., 1997. Liassic ferns from the Steierdorf Formation, Anina, Romania, 4th European Palaeobotanical and Palynological Conference. Heerlen: Mededelingen Nederlands Instituut voor Toegepaste Geowetenschappen TNO, 139-148.
2. Popa, M.E., 1997. Corytospermal pteridosperms in the Liassic continental deposits of Romania. Acta Palaeontologica Romaniaiae, 81-87.

3. Dragastan, O., Popa, M.E., 1997. Early Jurassic phyt stratigraphy of the Holbav Formation, Getic Nappe, Braşov County. *Revue Roumaine de Geologie* 41, 51-60.
4. Dragastan, O., Popa, M.E., Ciupercianu, M., 1997. The Late Palaeozoic phyt stratigraphy and palaeoecology of the Southern Carpathians (Romania). *Acta Palaeontologica Romaniae* 1, 57-64.
5. Dragastan, O., Richter, D.K., Kube, B., Popa, M.E., Sârbu, A., Ciugulea, I., 1997. A new family of Paleo-Mesozoic calcareous Green Siphons-algae (Order Bryopsidales, Class Bryopsidophyceae, Phylum Siphonophyta). *Revista Espagnola de Micropaleontologia* XXIX, 69-135.
6. Popa, M.E., 1998. The Liassic continental flora of Romania: Systematics, Stratigraphy and Paleocology. *Acta Botanica Horti Bucurestensis* 1997-1998, 177-184.
7. Ţicleanu, N., Scrădeanu, D., Popa, M.E., Milutinovici, S., Popa, R., Preda, I., Ţicleanu, M., Savu, C., Diaconiţă, D., Barus, T., Petrescu, I., Dinulescu, C., Maftei, R., 1999. The relation between the lithotypes of Pliocene coals from Oltenia and their main quality characteristics. *Vestnik Ceskeho geologickeho ustavu* 74, 169-174.
8. Popa, M.E., 2000. Aspects of Romanian Early Jurassic palaeobotany and palynology. Part III. Phyt stratigraphy of the Getic Nappe. *Acta Palaeontologica Romaniae* 2, 377-386.
9. Popa, M.E., 2000. First find of Mesozoic tetrapod tracks in Romania. *Acta Palaeontologica Romaniae* 2, 387-390.
10. Popa, M.E., 2000. The Polytechnics subway station: rudists in the heart of Bucharest. *Acta Palaeontologica Romaniae* 2, 391-396.
11. Popa, M.E., 2001. Aspects of Romanian Palaeozoic Palaeobotany and Palynology. Part I. An *Acithea* type fern from Secu (Banat). *Acta Palaeontologica Romaniae* 3, 365-369.
12. Popa, M.E., 2001. Aspects of Romanian Early Jurassic palaeobotany and palynology. Part IV. A new species of *Weltrichia* from Anina. *Studia Universitatis Babeş-Bolyai, Geologie* XLVI, 69-76.
13. Popa, M.E., Barbu, O., Codrea, V., 2003. Aspects of Romanian Early Jurassic Palaeobotany and Palynology. Part V. *Thaumatopteris brauniana* from Şuncuiuş. *Acta Palaeontologica Romaniae* 4, 361-367.
14. Lazăr, I., Barbu, V., Popa, M.E., 2004. Contributions to the Middle Jurassic of the Anina area - the bivalve fauna (part I). *Acta Palaeontologica Romaniae*, 233-246.
15. Popa, M.E., 2005. Aspects of Romanian Early Jurassic Palaeobotany and Palynology. Part VI. Anina, an exceptional locality. *Acta Palaeontologica Romaniae* 5, 375-378.
16. Popa, M.E., Meller, B., 2009. Review of Jurassic plants from the Anina (Steierdorf) coal mining area, South Carpathians, in the collections of the Geological Survey of Austria. *Jahrbuch der Geologischen Bundesanstalt* 149, 487-498.
17. Popa, M.E., Kedzior, A., Fodolică, V., 2010. The Anina Geopark: preserving the geological heritage of the South Carpathians. *Revue Roumaine de Geologie* 53-54, 109-113.
18. Popa, M.E., 2011. Field and laboratory techniques in plant compressions: an integrated approach. *Acta Palaeontologica Romaniae* 7, 279-283.
19. Popa, M.E., Zaharia, A., 2011. Early Jurassic ovipositories on bennettitalean leaves from Romania. *Acta Palaeontologica Romaniae* 7, 285-290.
20. Popa, M.E., Javidan, M., Falahatgar, M., 2012. *Klukia exilis* (Philips 1829) Raciborski 1890 emend. Harris 1961 from Ahan Sar, Shemshak Group, Iran. *Acta Palaeontologica Romaniae* 8, 33-41.

21. Dragastan, O., Herbig, H.G., Popa, M.E., 2012. Paleogene *Halimeda* algal biostratigraphy from Middle Atlas and Central High Atlas (Morocco), paleoecology, paleogeography and some taxonomic considerations. *Acta Palaeontologica Romaniaae* 8, 43-90.

**I<sub>6</sub>. Teza de doctorat publicată la o editură recunoscută CNCS**

Calcul: 2 puncte. Punctaj realizat: 2 puncte.

1. Popa, M.E., 2009. Late Palaeozoic and Early Mesozoic continental formations of the Reșița Basin. Bucharest: Editura Universității din București. Tiraj: 150 exemplare.

**I<sub>10</sub>. Cărți publicate în edituri naționale recunoscute CNCS**

Calcul:  $2 \times 1,5/n_a$  puncte pe volum. Punctaj realizat: 7,429 puncte.

1. Dragastan, O., Damian, R., Popa, M.E., 1997. Paleobotanică și Palinologie, 1 ed. Bucharest: Editura Universității din București. Punctaj: 1,000.
2. Popa, M.E., 2007. Elemente de Geologie și Paleontologie. București: Editura Universității din București. Punctaj: 3,000.
3. Popa, M.E., 2009. Late Palaeozoic and Early Mesozoic continental formations of the Reșița Basin. Bucharest: Editura Universității din București. Punctaj: 3,000.
4. Grigorescu, D., Vasile, Ș., Csiki-Sava, Z., Melinte-Dobrinescu, M., Popa, M.E., Stoica, M., Șeclăman, M., 2014. Geodiversitatea Țării Hațegului. București: Editura Universității din București. Punctaj: 0,429.

**I<sub>11</sub>. Capitole în volume colective publicate sub egida unor edituri recunoscute CNCS**

Calcul:  $1,5 \times 1/n_a$ . Punctaj realizat: 2,250 puncte.

1. Popa, M.E., 2001. Ponor SSSI (Site of Special Scientific Interest). Lower Jurassic Paleoflora, in: Bucur, I.I., Filipescu, S., Săsăran, E. (Eds.), Algae and carbonate platforms in western part of Romania. Cluj-Napoca: Babeș-Bolyai University, 167-171. Punctaj: 1,500.
2. Popa, M.E., Kedzior, A., 2006. Preliminary ichnological results on the Steierdorf Formation in Anina, Romania, in: Csiki, Z. (Ed.), Mesozoic and Cenozoic vertebrates and paleoenvironments. București, 197-201. Punctaj: 0,750.

**I<sub>12</sub>. Citări ale publicațiilor candidatului (exclusiv autocitările) în articole apărute în reviste cotate ISI**

Calcul:  $0,4/n_a$  puncte pe citare. Punctaj realizat: 19,571 puncte.

Givulescu, R., Popa, M.E., 1998. *Aninopteris formosa* Givulescu et Popa, gen. et sp. nov., a new Liassic matoniaceous genus and species from Anina, Banat, Romania. *Review of Palaeobotany and Palynology* 104, 51-66. Punctaj: 0,933.

Citări:

1. Hu, S.-S., Taylor, D.W., 2014. Floristics and Paleoecology of an Early Cretaceous Flora from Jordan. *Bulletin of the Peabody Museum of Natural History* 55, 153-170. Punctaj: 0,200.
2. Kvacek, J., Daskova, J., 2010. *Konijnenburgia*, a new genus of the fern family Matoniaceae. *Review of Palaeobotany and Palynology* 158, 308-318. Punctaj: 0,200.

3. Schmidt, A.R., Dorfelt, H., 2007. Evidence of Cenozoic Matoniaceae from Baltic and Bitterfeld amber. *Review of Palaeobotany and Palynology* 144, 145-156. Punctaj: 0,200.
4. Nagalingum, N.S., Cantrill, D.J., 2006. Early Cretaceous Gleicheniaceae and Matoniaceae (Gleicheniales) from Alexander Island, Antarctica. *Review of Palaeobotany and Palynology* 138, 73-93. Punctaj: 0,200.
5. Klavins, S.D., Taylor, T.N., Taylor, E.L., 2004. Matoniaceous ferns (Gleicheniales) from the Middle Triassic of Antarctica. *J. Paleont.* 78, 211-217. Punctaj: 0,133.

Popa, M.E., 2000. Aspects of Romanian Early Jurassic palaeobotany and palynology. Part II. A new species of *Pachypteris* from Cristian. *Review of Palaeobotany and Palynology* 111, 31-47. Punctaj: 0,560.

Citări:

1. Yang, X.J., Guignard, G., Thevenard, F., Wang, Y.D., Barale, G., 2009. Leaf cuticle ultrastructure of *Pseudofrenelopsis dalatzensis* (Chow et Tsao) Cao ex Zhou (Cheirolepidiaceae) from the Lower Cretaceous Dalazi Formation of Jilin, China. *Review of Palaeobotany and Palynology* 153, 8-18. Punctaj: 0,080.
2. Gordenko, N.V., 2007. A new species of *Pachypteris* (Brongniart) Harris (Corytospermales) from the Bathonian continental deposits of the Kursk Region, Russia. *Paleontological Journal* 41, 1091-1102. Punctaj: 0,400.
3. Shuqin, Z., Axsmith, B.J., Fraser, N.C., Fengxiang, L., Dehe, X., 2008. New evidence for laurasian corytosperms: *Umkomasia* from the Upper Triassic of Northern China. *Review of Palaeobotany and Palynology* 149, 202-207. Punctaj: 0,080.

Guignard, G., Popa, M.E., Barale, G., 2004. Ultrastructure of Early Jurassic fossil plant cuticles: *Pachypteris gradinarui* POPA. *Tissue and Cell* 36, 263-273. Punctaj: 0,570.

Citări:

1. Mairot, C., Guignard, G., Yang, X.J., Zhou, Z.Y., 2014. Cuticle micro- and ultrastructure of *Suturovagina* Chow et Tsao (Cheirolepidiaceae): Taxonomic and palaeoecological implications. *Review of Palaeobotany and Palynology* 205, 9-21. Punctaj: 0,100.
2. Carrizo, M.A., Del Fueyo, G.M., Medina, F., 2014. Foliar cuticle of *Rufflorinia orlandoi* nov sp (Pteridospermophyta) from the Lower Cretaceous of Patagonia. *Geobios* 47, 87-99. Punctaj: 0,133.
3. Del Fueyo, G.M., Guignard, G., de Seoane, L.V., Archangelsky, S., 2013. Leaf cuticle anatomy and the ultrastructure of *Ginkgoites ticoensis* Archang. from the Aptian of Patagonia. *International Journal of Plant Sciences* 174, 406-424. Punctaj: 0,100.
4. Bartiromo, A., Guignard, G., Lumaga, M.R.B., Barattolo, F., Chiodini, G., Avino, R., Guerriero, G., Barale, G., 2013. The cuticle micromorphology of in situ *Erica arborea* L. exposed to long-term volcanic gases. *Environmental and Experimental Botany* 87, 197-206. Punctaj: 0,050.
5. Bartiromo, A., Guignard, G., Lumaga, M.R.B., Barattolo, F., Chiodini, G., Avino, R., Guerriero, G., Barale, G., 2012. Influence of volcanic gases on the epidermis of *Pinus halepensis* Mill. in Campi Flegrei, Southern Italy: A possible tool for detecting volcanism in present and past floras. *Journal of Volcanology and Geothermal Research* 233, 1-17. Punctaj: 0,050.
6. Yang, X.J., Guignard, G., Thevenard, F., Wang, Y.D., Barale, G., 2009. Leaf cuticle ultrastructure of *Pseudofrenelopsis dalatzensis* (Chow et Tsao) Cao ex Zhou

(Cheirolepidiaceae) from the Lower Cretaceous Dalazi Formation of Jilin, China. Review of Palaeobotany and Palynology 153, 8-18. Punctaj: 0,080.

7. Thevenard, F., Barale, G., Guignard, G., Daviero-Gomez, V., Gomez, B., Philippe, M., Labert, N., 2005. Reappraisal of the ill-defined Liassic pteridosperm *Dichopteris* using an ultrastructural approach. Botanical Journal of the Linnean Society 149, 313-332. Punctaj: 0,057.

Philippe, M., Barbacka, M., Grădinaru, E., Iamandei, E., Iamandei, S., Kazmer, M., Popa, M.E., Szakmany, G., Tchoumatchenco, P., Zaton, M., 2006. Fossil wood and Mid-Eastern Europe terrestrial paleobiogeography during the Jurassic-Early Cretaceous interval. Review of Palaeobotany and Palynology 142, 15-32. Punctaj: 3,222.

#### Citări:

1. Mendes, M.M., Dinis, J., Esteban, L.G., de Palacios, P., Fernandez, F.G., Pais, J., 2014. Early Cretaceous woods of Figueira da Foz Formation in western Portugal: Palaeoenvironmental, palaeoclimatic and palaeobiogeographic insights. Cretaceous Research 51, 112-120. Punctaj: 0,067.
2. Philippe, M., Thevenard, F., Nosova, N., Kim, K., Naugolnykh, S., 2013. Systematics of a palaeoecologically significant boreal Mesozoic fossil wood genus, *Xenoxylon* Gothan. Review of Palaeobotany and Palynology 193, 128-140. Punctaj: 0,080.
3. Marynowski, L., Smolarek, J., Bechtel, A., Philippe, M., Kurkiewicz, S., Simoneit, B.R.T., 2013. Perylene as an indicator of conifer fossil wood degradation by wood-degrading fungi. Organic Geochemistry 59, 143-151. Punctaj: 0,067.
4. Gedl, P., Ziąja, J., 2012. Palynofacies from Bathonian (Middle Jurassic) ore-bearing clays at Gnaszyn, Krakow-Silesia Homocline, Poland, with special emphasis on sporomorph eco-groups. Acta Geologica Polonica 62, 325-349. Punctaj: 0,200.
5. Gedl, P., Kaim, A., Leonowicz, P., Boczarowski, A., Dudek, T., Kedzierski, M., Rees, J., Smolen, J., Szczepanik, P., Sztajner, P., Witkowska, M., Ziąja, J., 2012. Palaeoenvironmental reconstruction of Bathonian (Middle Jurassic) ore-bearing clays at Gnaszyn, Krakow-Silesia Homocline, Poland. Acta Geologica Polonica 62, 463-484. Punctaj: 0,033.
6. Kutluk, H., Kir, O., Akkemik, U., 2012. First report of araucariaceae wood (*Agathoxylon* sp.) From the Late Cretaceous of Turkey. Iawa Journal 33, 319-326. Punctaj: 0,133.
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2. Silva Pineda, A., Velasco de León, M.P., Gil, J.A., Grimaldo, J.R., 2011. Una nueva especie de *Weltrichia* (Bennettitales) del Jurásico Medio de la Formación Tecmazuchil (Oaxaca, México), Geobios. Lyon: Elsevier, 519-525. Punctaj: 0,100.

Popa, M.E., Zaharia, A., 2011. Early Jurassic ovipositories on bennettitalean leaves from Romania. Acta Palaeontologica Romaniae 7, 285-290. Punctaj: 0,533.

Citări:

1. Na, Y., Sun, C., Li, T., Li, Y., 2014. The insect oviposition firstly discovered on the Middle Jurassic ginkgoales leaf from Inner Mongolia, China. *Acta Geologica Sinica* 88, 18-28. Punctaj: 0,100.
2. Ameri, H., Dastanpour, M., Khalilizade, H., Zamani, F., 2013. Plant fossil remains from the Bajocian–Bathonian of Hojedk Formation, Babhutk area, Kerman, Iran. *Arabian Journal of Geosciences*. Punctaj: 0,100.
3. Hermanova, Z., Bodor, E., Kvacek, J., 2013. *Knoblochia cretacea*, Late Cretaceous insect eggs from Central Europe. *Cretaceous Research* 45, 7-15. Punctaj: 0,133.
4. Labandeira, C.C., Currano, E.D., 2013. The Fossil Record of Plant-Insect Dynamics. *Annual Review of Earth and Planetary Sciences* 41, 287-311. Punctaj: 0,200.

Țicleanu, N., Scrădeanu, D., Popa, M.E., Milutinovici, S., Popa, R., Preda, I., Țicleanu, M., Savu, C., Diaconiță, D., Barus, T., Petrescu, I., Dinulescu, C., Maftei, R., 1999. The relation between the lithotypes of Pliocene coals from Oltenia and their main quality characteristics. *Vestnik Ceskeho geologickeho ustavu* 74, 169-174. Punctaj: 0,333.

Citări:

1. Predeanu, G., Panaitescu, C., 2007. Petrographic evaluation of xylite activated carbon. *International Journal of Coal Geology* 71, 542-553. Punctaj: 0,200.
2. Predeanu, G., Scorțariu, O.V., Panaitescu, C., 2014. Qualitative improvement of xylite by mechanical preparation. *International Journal of Coal Geology*. Punctaj: 0,133.

### **I<sub>13</sub>. Citări ale publicațiilor candidatului în articole apărute în reviste indexate ISI (exclusiv autocitările)**

Calcul:  $0,3/n_a$  puncte pe citare. Punctaj realizat: 1,318 puncte.

Popa, M.E., 1992. The Early Liassic of Anina: New Paleobotanical Aspects. *Documenta Naturae* 1-3, 1-9 Punctaj: 0,075.

Citări:

1. Yin, H., Dickins, J.M., Shi, G.R., Tong, J., 2000. Permian-Triassic Evolution of Tethys and Western Circum-Pacific, *Developments in Palaeontology and Stratigraphy*. Amsterdam: Elsevier. Punctaj: 0,075.

Popa, M.E., Van Konijnenburg - Van Cittert, J.H.A., 2006. Aspects of Romanian Early - Middle Jurassic palaeobotany and palynology. Part VII. Successions and floras. *Progress in Natural Sciences* 16, 203-212. Punctaj: 0,343.

Citări:

1. Barbacka, M., 2011. Biodiversity and the reconstruction of Early Jurassic flora from the Mecsek Mountains (southern Hungary). *Acta Palaeobotanica* 51, 127-179. Punctaj: 0,300.
2. Sha, J., Morton, N., Wang, Y., Olsen, P., Pienkowski, G., Wimbledon, W.A.P., Riccardi, A.C., 2006. Marine and non-marine Jurassic: Boundary events and correlation. *Progress in Natural Science* 16, I-VI. Punctaj: 0,043.

Popa, M.E., 1997. Crystospermal pteridosperms in the Liassic continental deposits of Romania. *Acta Palaeontologica Romaniaiae*, 81-87. Punctaj: 0,300.

Citări:

1. Barbacka, M., 2011. Biodiversity and the reconstruction of Early Jurassic flora from the Mecsek Mountains (Southern Hungary). *Acta Palaeobotanica* 51, 127-179. Punctaj: 0,300.

Popa, M.E., 2000. Aspects of Romanian Early Jurassic palaeobotany and palynology. Part III. Phytostatigraphy of the Getic Nappe. *Acta Palaeontologica Romaniae* 2, 377-386. Punctaj: 0,300.

Citări:

1. Pacyna, G., 2013. Critical review of research on the Lower Jurassic flora of Poland. *Acta Palaeobotanica* 53. Punctaj: 0,300.

Popa, M.E., Barbu, O., Codrea, V., 2003. Aspects of Romanian Early Jurassic Palaeobotany and Palynology. Part V. *Thaumatopteris brauniana* from Șuncuiuș. *Acta Palaeontologica Romaniae* 4, 361-367. Punctaj: 0,300.

Citări:

1. Pacyna, G., 2013. Critical review of research on the Lower Jurassic flora of Poland. *Acta Palaeobotanica* 53. Punctaj: 0,300.

#### **I<sub>15</sub>. Membru în comitetul științific al unei reviste cotate ISI**

Calcul: 2 puncte/revistă. Punctaj realizat: 2 puncte.

1. Membru în comitetul de redacție (board editorial) al revistei *Palaeogeography, Palaeoclimatology, Palaeoecology* (Palaeo3), Elsevier. Factor de impact: 2,752.

#### **I<sub>16</sub>. Membru în comitetul științific al unor reviste indexate BDI**

Calcul: 0,25 puncte/revistă. Punctaj realizat: 1 punct.

Membru în comitetul de redacție (board editorial) al următoarelor reviste:

1. *Acta Palaeontologica Romaniae*, România;
2. *Volumina Jurassica*, Polonia;
3. *Acta Palaeobotanica*, Polonia – revistă indexată ISI;
4. *Revista Română de Scientometrie și Politica Științei*, România.

#### **I<sub>17</sub>. Director al unui grant internațional câștigat prin competiție, cu o valoare între 50.000-100.000 lei (echivalent)**

Calcul: 4 puncte pe grant. Punctaj realizat: 4 puncte.

1. "Middle Cretaceous floras of USA and Romania: different lands, similar floras", 2001-2002, proiect Fulbright Scholar Award, post-doc cu Prof. David L. Dilcher, membru al National Science Foundation (Indiana University), desfășurat la University of Florida, Florida Museum of Natural History, Gainesville, Florida, S.U.A. Proiect finanțat de U. S. Department of State.

#### **I<sub>18</sub>. Membru în echipa unui grant de cercetare internațional, câștigat prin competiție, cu o valoare >100.000 lei (echivalent)**

Calcul: 4 puncte pe grant. Punctaj realizat: 32 puncte.



1. "Fossil flora and carbon cycle dynamics across the Triassic-Jurassic boundary", 2002, proiect finanțat de National Geographic Society, în colaborare cu Prof. Jennifer McElwain (PI).
2. "Fossil flora dynamics across the Triassic-Jurassic boundary in East Greenland", 2004, proiect finanțat de NASA, în colaborare cu Prof. Jennifer McElwain (PI).
3. "Massextinct", 2006-2010, proiect FP7 Marie Curie, University College Dublin (UCD), Dublin, Irlanda, în colaborare cu Prof. Jennifer McElwain (PI).
4. "Variscan terrestrial biotas and palaeoenvironments", 2004-2007, International Geological Correlation Programme (IGCP) nr. 469, proiect finanțat de UNESCO, în colaborare cu Dr. Chris Cleal (PI).
5. „Iron Gates Natural Park: conservation and habitat reconstruction”, 2001-2003, Nature Life project nr. 007171, finanțat de Uniunea Europeană, în colaborare cu Prof. Maria Pătroescu (PI).
6. "The Marine and Non-marine Jurassic", 2007-2011, International Geological Correlation Programme (IGCP) nr. 506, proiect finanțat de UNESCO, în colaborare cu Prof. Jingeng Sha (PI).
7. "Pennsylvanian terrestrial habitats and biotas in southeastern Europe and northern Asia Minor and their relation to tectonics and climate", 2010-2014, International Geological Correlation Programme (IGCP) nr. 575, proiect finanțat de UNESCO, în colaborare cu Dr. Chris Cleal (PI).
8. „Continental Crises of the Jurassic: Major Extinction events and Environmental Changes within Lacustrine Ecosystems”, 2014-2018, International Geological Correlation Programme (IGCP) nr. 632, în colaborare cu Prof. Jingeng Sha (PI).

**I<sub>19</sub>. Director al unor granturi de cercetare naționale câștigate prin competiție, cu o valoare >100.000 lei sau între 50.000-100.000 lei**

Calcul: 3 puncte pe grant. Punctaj realizat: 6 puncte.

1. „Ecosisteme Jurassic timpurii din România” (Ecoter, grant nr. 978, 436/1.10.2007), 2007-2010, proiect finanțat de CNCSIS, programul PNII-Idei.
2. „Diversitatea geologică a depozitelor Paleozoic superioare din România și relația cu schimbările climatice globale”, 2007-2010, (Paleoclim, grant nr. 3050, 31-063/14.09.2007), proiect finanțat de ANCS, programul PNII-Parteneriate.

**I<sub>20</sub>. Membru în echipa unor granturi de cercetare naționale câștigate prin competiție, cu o valoare >100.000 lei sau între 50.000-100.000 lei**

Calcul: 2 puncte pe grant. Punctaj realizat: 10 puncte.

1. „Evoluția tectonică și sedimentară a platformelor carbonatice jurasice și cretacice din România”, 1998-2001, grant nr. 42, proiect finanțat de Banca Mondială prin CNCSIS, în colaborare cu Prof. Ovidiu Dragastan (PI).
2. „Paleoecologia depozitelor jurasice din Pânza Getică”, 2003, proiect finanțat de CNCSIS, în colaborare cu Dr. Iulia Lazăr (PI).
3. „Geo-biodiversitatea Parcului Național Cheile Bicazului – Hășmaș”, 2007-2010, proiect finanțat de ANCS, programul PNII-Parteneriate, în colaborare cu Dr. Dan Grigore (PI).
4. „Dezvoltarea rețelei taxonomice românești în perspectiva integrării în rețeaua europeană Synthesis”, 2007-2010, ROTAF, proiect finanțat de ANCS, programul PNII-Parteneriate, în colaborare cu Dr. Viorica Milu.
5. “Paleo-ecosistemul continental maastrichtian din Bazinul Hațeg – Reconstituirea mediului fizico-geografic și biotic al unei paleobiocenoze de referință a Cretacului

târziu“, 2009-2011, proiect finanțat de CNCSIS, grant nr. 1930 PCE-IDEI, în colaborare cu Dr. Zoltan Csiki (PI).

**I<sub>21</sub>. Derularea activității științifice în echipe de cercetare cu antrenarea studenților, masteranzilor, doctoranzilor, tinerelor cadre didactice dovedită prin publicații comune și granturi de cercetare**

Calcul: 3 puncte pe articol ISI comun/ contract național, 1 punct pe articol BDI comun.  
Punctaj realizat: 19 puncte.

**Publicații comune în reviste cotate ISI:**

1. Popa, M.E., Kvacek, J., Vasile, Ș., Csiki-Sava, Z., 2014. Maastrichtian monocotyledons of the Rusca Montană and Hațeg basins, South Carpathians, Romania. *Review of Palaeobotany and Palynology* 210, 89-101. Dr. Ștefan Vasile este tânăr cercetător.
2. Steinthorsdottir, M., Bacon, K.L., Popa, M.E., Bochner, L., McElwain, J.C., 2011. Bennettitalean leaf cuticle fragments (here *Anomozamites* and *Pterophyllum*) can be used interchangeably in stomatal frequency-based palaeo-CO<sub>2</sub> reconstructions. *Palaeontology* 54, 867-882. Dr. Margret Steinthorsdottir și Dr. Karen Bacon erau doctorande la momentul publicării articolului.
3. McElwain, J.C., Popa, M.E., Hesselbo, S.P., Haworth, D.M., Surlyk, F., 2007. Macroecological responses of terrestrial vegetation to climatic and atmospheric change across the Triassic/Jurassic boundary in East Greenland. *Paleobiology* 33, 547-573. Dr. Matthew Haworth era doctorand la momentul publicării articolului.

**Publicații comune în reviste cotate BDI:**

1. Dragastan, O., Popa, M.E., Ciupercianu, M., 1997. The Late Palaeozoic phytostратigraphy and palaeoecology of the Southern Carpathians (Romania). *Acta Palaeontologica Romaniae* 1, 57-64. Mădălina Ciupercianu era studentă în momentul publicării articolului.
2. Popa, M.E., Kedzior, A., Fodolică, V., 2010. The Anina Geopark: preserving the geological heritage of the South Carpathians. *Revue Roumaine de Geologie* 53-54, 109-113. Valentina Fodolică era doctorandă la momentul publicării articolului.
3. Popa, M.E., Zaharia, A., 2011. Early Jurassic ovipositories on bennettitalean leaves from Romania. *Acta Palaeontologica Romaniae* 7, 285-290. Andreea Zaharia era studentă la momentul publicării articolului.
4. Popa, M.E., Javidan, M., Falahatgar, M., 2012. *Klukia exilis* (Philips 1829) Raciborski 1890 emend. Harris 1961 from Ahan Sar, Shemshak Group, Iran. *Acta Palaeontologica Romaniae* 8, 33-41. Mostafa Falahatgar era masterand la momentul publicării articolului.

**Contracte naționale ca director de proiect, cu tineri cercetători:**

1. „Ecosisteme Jurassic timpurii din România” (Ecoter, grant nr. 978, 436/1.10.2007), 2007-2010, proiect finanțat de CNCSIS, programul PNII-Idei. Milan Rașcov era la data respectivă masterand, iar Valentin Paraschiv, tânăr cercetător.
2. „Diversitatea geologică a depozitelor Paleozoic superioare din România și relația cu schimbările climatice globale”, 2007-2010, (Paleoclim, grant nr. 3050, 31-063/14.09.2007), proiect finanțat de ANCS, programul PNII-Parteneriate. Milan Rașcov era la data respectivă masterand, iar Valentin Paraschiv, tânăr cercetător.