

FIȘA DE VERIFICARE PRIVIND ÎNDEPLINIREA STANDARDELOR MINIMALE

| Nr.<br>Crt. | Tipul activităților   | Indicatori                     | Standard minimal | Punctaj realizat         |
|-------------|---|--------------------------------|------------------|--------------------------|
| C1          | <b>I. Articole in extenso în reviste cotate ISI - Science Citation Index Expanded (SCIE), Social Sciences Citation Index (SCCI).</b>  | 4 +<br>F <sub>i</sub> /articol | ≥25              | <b>76.085</b>            |
|             | Luscier, J.D., Thompson, W.L., Wilson, J.M., Gorham, B.E., Drăguț, L.D., 2006. Using digital photographs and object-based image analysis to estimate percent ground cover in vegetation plots. <i>Frontiers in Ecology and the Environment</i> , 4(8), 408-413. |                                |                  | 4 +<br>7.615 =<br>11.615 |
|             | Drăguț, L., Blaschke, T., 2006. Automated classification of landform elements using object-based image analysis. <i>Geomorphology</i> , 81(3-4), 330-344.   |                                |                  | 4 +<br>2.552 =<br>6.552  |
|             | Drăguț, L., Schauppenlehner, T., Muhar, A., Strobl, J., Blaschke, T., 2009. Optimization of scale and parametrization for terrain segmentation: An application to soil-landscape modeling. <i>Computers &amp; Geosciences</i> , 35(9), 1875-1883.               |                                |                  | 4 +<br>1.834 =<br>5.834  |
|             | Drăguț, L., Eisank, C., 2011. Object representations at multiple scales from digital elevation models. <i>Geomorphology</i> , 129(3-4), 183-189.  |                                |                  | 4 +<br>2.552 =<br>6.552  |
|             | Drăguț, L., Eisank, C., Strasser, T., 2011. Local variance for multi-scale analysis in geomorphometry. <i>Geomorphology</i> , 130(3-4), 162-172.  |                                |                  | 4 +<br>2.552 =<br>6.552  |
|             | Verhagen, P., Drăguț, L., 2012. Object-based landform delineation and classification from DEMs for archaeological predictive mapping. <i>Journal of Archaeological Science</i> , 39(3), 698-703.  |                                |                  | 4 +<br>1.889 =<br>5.889  |
|             | Drăguț, L., Eisank, C., 2012. Automated object-based classification of topography from SRTM data. <i>Geomorphology</i> , 141-142, 21-33.  |                                |                  | 4 +<br>2.552 =<br>6.552  |
|             | d'Oleire-Oltmanns, S., Eisank, C., Dragut, L., Blaschke, T., 2013. An Object-Based Workflow to Extract Landforms at Multiple Scales From Two Distinct Data Types. <i>Geoscience and Remote Sensing Letters, IEEE</i> , 10(4), 947-951.                          |                                |                  | 4 +<br>1.823 =<br>5.823  |

| Nr.<br>Crt. | Tipul activităților   | Indicatori | Standard minimal | Punctaj realizat        |
|-------------|---|------------|------------------|-------------------------|
|             | Ardelean, F., Drăguț, L., Urdea, P., Török-Oance, M., 2013. Variations in landform definition: a quantitative assessment of differences between five maps of glacial cirques in the Țarcu Mountains (Southern Carpathians, Romania). <i>Area</i> , 45(3), 348-357.                            |            |                  | 4 +<br>1.685 =<br>5.685 |
|             | Parvulescu, L., Zaharia, C., Satmari, A., Dragut, L., 2013. Is the distribution pattern of the stone crayfish in the Carpathians related to karstic refugia from Pleistocene glaciations? <i>Freshwater Science (Journal of the North American Benthological Society)</i> , 32(4), 1410-1419. |            |                  | 4 +<br>2.957 =<br>6.957 |
|             | Belgiu, M., Drăguț, L., Strobl, J., 2014. Quantitative evaluation of variations in rule-based classifications of land cover in urban neighbourhoods using WorldView-2 imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 87(0), 205-215.                                    |            |                  | 4 +<br>3.313 =<br>7.313 |
|             | Drăguț, L., Csillik, O., Eisank, C., Tiede, D., 2014. Automated parameterisation for multi-scale image segmentation on multiple layers. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 88(0), 119-127.   |            |                  | 4 +<br>3.313 =<br>7.313 |
| <b>C2</b>   | <b>I<sub>3</sub> Număr de articole publicate in reviste indexate ISI (inclusiv in Arts &amp; Humanities Citation Index)</b>   | <b>n</b>   | <b>≥ 5</b>       | <b>13</b>               |
|             | 1. Luscier, J.D., Thompson, W.L., Wilson, J.M., Gorham, B.E., Drăguț, L.D., 2006. Using digital photographs and object-based image analysis to estimate percent ground cover in vegetation plots. <i>Frontiers in Ecology and the Environment</i> , 4(8), 408-413.                            |            |                  |                         |
|             | 2. Drăguț, L., Blaschke, T., 2006. Automated classification of landform elements using object-based image analysis. <i>Geomorphology</i> , 81(3-4), 330-344.  |            |                  |                         |
|             | 3. Drăguț, L., Schauppenlehner, T., Muhar, A., Strobl, J., Blaschke, T., 2009. Optimization of scale and parametrization for terrain segmentation: An application to soil-landscape modeling. <i>Computers &amp; Geosciences</i> , 35(9), 1875-1883.  |            |                  |                         |
|             | 4. Drăguț, L., Tiede, D., Levick, S., 2010. ESP: a tool to estimate scale parameters for multiresolution image segmentation of remotely sensed data. <i>International Journal of Geographical Information Science</i> , 24(6), 859-871.   |            |                  |                         |
|             | 5. Drăguț, L., Eisank, C., 2011. Object representations at multiple scales from digital elevation models. <i>Geomorphology</i> , 129(3-4), 183-189.   |            |                  |                         |
|             | 6. Drăguț, L., Eisank, C., Strasser, T., 2011. Local variance for multi-scale analysis in geomorphometry. <i>Geomorphology</i> , 130(3-4), 162-172.   |            |                  |                         |
|             | 7. Verhagen, P., Drăguț, L., 2012. Object-based landform delineation and classification from DEMs for archaeological predictive mapping. <i>Journal of Archaeological Science</i> , 39(3), 698-703.   |            |                  |                         |
|             | 8. Drăguț, L., Eisank, C., 2012. Automated object-based classification of topography from SRTM data. <i>Geomorphology</i> , 141-142, 21-33.   |            |                  |                         |
|             | 9. d'Oleire-Oltmanns, S., Eisank, C., Dragut, L., Blaschke, T., 2013. An Object-Based Workflow to Extract Landforms at Multiple Scales From Two Distinct Data Types. <i>Geoscience and Remote Sensing Letters, IEEE</i> , 10(4), 947-951.   |            |                  |                         |

| Nr.<br>Crt. | Tipul activităților  | Indicatori             | Standard minimal | Punctaj realizat |
|-------------|--|------------------------|------------------|------------------|
|             | 10. Ardelean, F., Drăguț, L., Urdea, P., Török-Oance, M., 2013. Variations in landform definition: a quantitative assessment of differences between five maps of glacial cirques in the Țarcu Mountains (Southern Carpathians, Romania). <i>Area</i> , 45(3), 348-357.   |                        |                  |                  |
|             | 11. Parvulescu, L., Zaharia, C., Satmari, A., Dragut, L., 2013. Is the distribution pattern of the stone crayfish in the Carpathians related to karstic refugia from Pleistocene glaciations? <i>Freshwater Science (Journal of the North American Benthological Society)</i> , 32(4), 1410-1419.                              |                        |                  |                  |
|             | 12. Belgiu, M., Drăguț, L., Strobl, J., 2014. Quantitative evaluation of variations in rule-based classifications of land cover in urban neighbourhoods using WorldView-2 imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 87(0), 205-215.   |                        |                  |                  |
|             | 13. Drăguț, L., Csillik, O., Eisank, C., Tiede, D., 2014. Automated parameterisation for multi-scale image segmentation on multiple layers. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 88(0), 119-127.  |                        |                  |                  |
| <b>C3</b>   |  |                        | <b>≥ 3</b>       | <b>3</b>         |
|             | <b>I<sub>4</sub> Articole in extenso publicate în reviste și proceedings-uri indexate ISI</b>  | <b>1/articol</b>       |                  | <b>2</b>         |
|             | Drăguț, L., Tiede, D., Levick, S., 2010. ESP: a tool to estimate scale parameters for multiresolution image segmentation of remotely sensed data. <i>International Journal of Geographical Information Science</i> , 24(6), 859-871.   | <b>Articol ISI</b>     |                  | <b>1</b>         |
|             | Cristea, V., Gafta, D., Baci, C., Goia, I., Dragut, L., Coroiu, I., 2003. Multidisciplinary assessment of the landscape development around the Cluj-Napoca city (Romania). In: J. Brandt, H. Vejre (Eds.), <i>Multifunctional Landscapes Vol II: Monitoring, Diversity and Management</i> WIT Press, Southampton, pp. 271-285. | <b>ISI Proceedings</b> |                  | <b>1</b>         |
|             | <b>I<sub>5</sub> Articole in extenso publicate în reviste indexate în baze de date internaționale (BDI)</b>  | <b>0.5/articol</b>     |                  | <b>1</b>         |
|             | Eisank, C. and Drăguț, L., 2010. Detecting characteristic scales of slope gradient. In: <i>Geospatial Crossroads @ GI_Forum '10. Proceedings of the Geoinformatics Forum Salzburg</i> , edited by Car, A., Griesebner, G. and Strobl, J., Wichmann, pp. 48-57  | <b>GEOREF</b>          |                  | <b>0.5</b>       |
|             | Drăguț, L., Walz, U. and Blaschke, T., 2010. The third and fourth dimensions of landscape: towards conceptual models of topographically complex landscapes. <i>Landscape Online</i> 22: 1-10   | <b>SCOPUS</b>          |                  | <b>0.5</b>       |
| <b>C4</b>   |  |                        | <b>≥ 4</b>       | <b>15.875</b>    |
|             | <b>I<sub>9</sub> Capitle în volume colective publicate sub egida unor edituri internaționale și regăsite în cel puțin 6 biblioteci înregistrate in Worldcat</b>  | <b>4 x 3/na</b>        |                  | <b>8</b>         |
|             | Drăguț, L. and Blaschke, T., 2008. Terrain segmentation and classification using SRTM data. In <i>Advances in Digital Terrain Analysis</i> , edited by Zhou, Q., Lees, B. and Tang, G.A. Series Lecture Notes in Geoinformation and Cartography, Springer, pp. 141- 158  |                        |                  | <b>12/2= 6</b>   |

| Nr.<br>Crt. | Tipul activităților   | Indicatori            | Standard minimal | Punctaj realizat |
|-------------|---|-----------------------|------------------|------------------|
|             | Muntean, O.L., Drăguț, L., Baciuc, N., Man, T., Buzilă, L. and Ferencik, I., 2007. Environmental impact assessment as a tool for environmental restoration (a case study: Copșa-Mică area, Romania). In Use of Landscape Sciences for the Assessment of Environmental Security, edited by Petrosillo, I., Müller, F., Jones, K.B., Zurlini, G., Krauze, K., Victorov, S., Li, B.-L., Kepner, W.G. Springer, pp. 461-474 |                       |                  | 12/6 = 2         |
|             | <b>I<sub>10</sub> Cărți/Atlase/Hărți publicate în edituri naționale recunoscute în domeniu</b>  | <b>2 x 1,5/na</b>     |                  | <b>4</b>         |
|             | Schreiber, W., Drăguț, L. and Man, T. (editors.), 2003. Analiza peisajelor geografice in partea de vest a Campiei Transilvaniei. Presa Universitara Clujeana, 135 pp  |                       |                  | 3/3 = 1          |
|             | Drăguț, L., 2000. Geografia peisajului. Presa Universitara Clujeana, 119 pp.  |                       |                  | 3/1 = 3          |
|             | <b>I<sub>11</sub> Capitle în volume colective publicate sub egida unor edituri recunoscute în domeniu, utilizând coeficientul de multiplicare m</b>   | <b>1.5 x 1/na</b>     |                  | <b>3.375</b>     |
|             | Drăguț, L. (2003), Cap. 3.1.- Cadrul teoretic, În: "Analiza peisajelor geografice din partea de vest a Câmpiei Transilvaniei", Eds. Schreiber, W., Drăguț, L., Man, T. (Cluj-Napoca, Presa Universitară Clujeană), pp. 10-12  |                       |                  | 1.5/1 = 1.5      |
|             | Drăguț, L., Man, T. (2003), Metode de analiză și evaluare a peisajului ca entitate globală, În: "Analiza peisajelor geografice din partea de vest a Câmpiei Transilvaniei", Eds. Schreiber, W., Drăguț, L., Man, T. (Cluj-Napoca, Presa Universitară Clujeană), pp. 12-29   |                       |                  | 1.5/2 = 0.75     |
|             | Drăguț, L., Man, T., Schreiber, W. (2003), Unitățile elementare ale peisajului, În: "Analiza peisajelor geografice din partea de vest a Câmpiei Transilvaniei", Eds. Schreiber, W., Drăguț, L., Man, T. (Cluj-Napoca, Presa Universitară Clujeană), pp. 79-93   |                       |                  | 1.5/3 = 0.5      |
|             | Schreiber, W., Drăguț, L. (2003), Tipuri de peisaje geografice, În: "Analiza peisajelor geografice din partea de vest a Câmpiei Transilvaniei", Eds. Schreiber, W., Drăguț, L., Man, T. (Cluj-Napoca, Presa Universitară Clujeană), pp. 106-109   |                       |                  | 1.5/2 = 0.75     |
|             | Buzilă, L., Drăguț, L., Drăgulean, V., Baciuc, C. (2002): Geomorfologia și evaluarea riscului geomorfologic. In: „Municipiul Cluj-Napoca și zona periurbană”, Eds. Cristea, V., Baciuc, C. and Gafta, D. (Cluj-Napoca: Edit. Accent), 15-25,  |                       |                  | 1.5/4 = 0.375    |
| <b>C5</b>   |   |                       | <b>≥ 2,5</b>     | <b>30.28</b>     |
|             | <b>I<sub>12</sub> Citări ale publicațiilor candidatului (exclusiv autocitările) în articole apărute în reviste cotate ISI (Science Citation Index Expanded (SCIE), Social Sciences Citation Index (SCCI), Arts &amp; Humanities Citation Index) cu factor de impact (inclusiv proceedings-uri)</b>  | <b>0,4 /na/citare</b> |                  | <b>28.28</b>     |
|             | Drăguț, L., Blaschke, T., 2006. Automated classification of landform elements using object-based image analysis. Geomorphology, 81(3-4), 330-344.- <b>76 citari</b>   |                       |                  | 0.2 * 76 = 15.2  |
|             | Drăguț, L., Tiede, D., Levick, S., 2010. ESP: a tool to estimate scale parameters for multiresolution image segmentation of remotely sensed data. International Journal of Geographical Information Science, 24(6), 859-871.- <b>39 citari</b>  |                       |                  | 0.13*39 = 5.2    |

| Nr.<br>Crt. | Tipul activităților  | Indicatori | Standard minimal | Punctaj realizat      |
|-------------|--|------------|------------------|-----------------------|
|             | Luscier, J.D., Thompson, W.L., Wilson, J.M., Gorham, B.E., Drăguț, L.D., 2006. Using digital photographs and object-based image analysis to estimate percent ground cover in vegetation plots. <i>Frontiers in Ecology and the Environment</i> , 4(8), 408-413.- <b>38 citari</b>                              |            |                  | <b>0.08*38 = 3.04</b> |
|             | Drăguț, L., Eisank, C., 2011. Object representations at multiple scales from digital elevation models. <i>Geomorphology</i> , 129(3-4), 183-189.- <b>10 citari</b>   |            |                  | <b>0.2*10 = 2</b>     |
|             | Drăguț, L., Schauppenlehner, T., Muhar, A., Strobl, J., Blaschke, T., 2009. Optimization of scale and parametrization for terrain segmentation: An application to soil-landscape modeling. <i>Computers &amp; Geosciences</i> , 35(9), 1875-1883.- <b>8 citari</b>   |            |                  | <b>0.08*8 = 0.64</b>  |
|             | Drăguț, L., Eisank, C., Strasser, T., 2011. Local variance for multi-scale analysis in geomorphometry. <i>Geomorphology</i> , 130(3-4), 162-172.- <b>7 citari</b>  |            |                  | <b>0.13*7 = 0.93</b>  |
|             | Drăguț, L., Eisank, C., 2012. Automated object-based classification of topography from SRTM data. <i>Geomorphology</i> , 141-142, 21-33.- <b>7 citari</b>  |            |                  | <b>0.2*7 = 1.4</b>    |
|             | Verhagen, P., Drăguț, L., 2012. Object-based landform delineation and classification from DEMs for archaeological predictive mapping. <i>Journal of Archaeological Science</i> , 39(3), 698-703.- <b>3 citari</b>  |            |                  | <b>0.2*3 = 0.6</b>    |
|             | Parvulescu, L., Zaharia, C., Satmari, A., Dragut, L., 2013. Is the distribution pattern of the stone crayfish in the Carpathians related to karstic refugia from Pleistocene glaciations? <i>Freshwater Science (Journal of the North American Benthological Society)</i> , 32(4), 1410-1419.- <b>1 citare</b> |            |                  | <b>0.1*1 = 0.1</b>    |
|             | d'Oleire-Oltmanns, S., Eisank, C., Dragut, L., Blaschke, T., 2013. An Object-Based Workflow to Extract Landforms at Multiple Scales From Two Distinct Data Types. <i>Geoscience and Remote Sensing Letters, IEEE</i> , 10(4), 947-951.- <b>1 citare</b>  |            |                  | <b>0.1*1 = 0.1</b>    |
|             | <b>I<sub>15</sub> Membru în comitetul științific al unei reviste editate în străinătate și indexată ISI</b>  | <b>2</b>   |                  | <b>2</b>              |
|             | Central European Journal of Geosciences<br>( <a href="http://www.springer.com/earth+sciences+and+geography/journal/13533?detailsPage=editorialBoard">http://www.springer.com/earth+sciences+and+geography/journal/13533?detailsPage=editorialBoard</a> )   |            |                  | <b>2</b>              |
| <b>C6</b>   |  |            | <b>≥ 4</b>       | <b>18</b>             |
|             | <b>I<sub>17</sub> Director/Coordonator/Responsabil al unui grant/proiect/contract (inclusiv economic)/program de cercetare internațional, câștigat prin competiție, cu o valoare de: &gt; 100.000</b>  | <b>6</b>   |                  | <b>18</b>             |
|             | SCALA-PLUS/ FP7-239312- <i>Scales and Hierarchies in Geomorphometry</i> . (Director de proiect) Comisia Europeană. EUR 37,500. 2009-2011   |            |                  | <b>6</b>              |
|             | SCALA/ FWF-P20777-N15- <i>Scales and hierarchies in landform classification</i> . (Coordonator) Der Wissenschaftsfonds- FWF, Austria. EUR 282,087.54. (2008-2011).   |            |                  | <b>6</b>              |
|             | CLUE/ FP6- 009532- <i>Complex Landscape Units for Environmental assessment and modeling</i> . (Director de proiect) Comisia Europeană. EUR 157,387. (2006- 2008).  |            |                  | <b>6</b>              |
| <b>C7</b>   |  |            | <b>≥ 10</b>      | <b>13</b>             |
|             | <b>I<sub>19</sub> Director / Coordonator/Responsabil al unui grant/proiect/contract (inclusiv economic)/program de cercetare național, câștigat prin competiție, cu o valoare de: &gt; 100.000</b>   | <b>3</b>   |                  | <b>13</b>             |
|             | FuSE_DEM/ PN-II-ID-PCE-2011-3-0499- <i>Fundamental surface elements on digital elevation models</i> . (Director de proiect) CNCS. RON 500,000  |            |                  | <b>3</b>              |

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|---|--|------------|------------------|------------------|
|   | <b>I<sub>20</sub> Membru în echipa unui grant/proiect/contract (inclusiv economic)/program de cercetare național, câștigat prin competiție, cu o valoare de: &gt; 100.000</b>  | 2          |                  |                  |
|   | Dinamica peisajului pe baza indicatorilor sintetici, în contextul dezvoltării durabile. Studiu de caz: culoarul Târnavei Mari. CNCSIS (2004- 2007). Director grant: Prof. Dr. W. Schreiber (UBB)   |            |                  | 2                |
|   | Studii complexe privind optimizarea căii ferate între Apahida și Câmpia Turzii. CNCSIS 1491/2002 (2003- 2006). Director grant: Prof. Dr. C. Baci (UBB)   |            |                  | 2                |
|   | Dinamica peisajului în partea de vest a Câmpiei Transilvaniei. CNCSIS (1999-2003). Director grant: Prof. Dr. W. Schreiber (UBB)  |            |                  | 2                |
|   | Studii environmentale în municipiul Cluj Napoca și împrejurimi, în perspectiva dezvoltării durabile. Guvernul Romaniei si Banca Mondială-179 BM (1997- 2001). Director grant: Prof. Dr. V. Cristea (UBB)   |            |                  | 2                |
|   | Grant CNCSIS 1075: Metode de analiza geomorfologica digitala și de clasificare automată a formelor de relief în regiunile montane pe baza modelului numeric al terenului și prin integrarea datelor de teledeteție Director grant: Lector Dr. M. Török-Oance (UVT) |            |                  | 2                |
|   | <b>C8</b>  |            |                  |                  |
| <b>I<sub>21</sub> Derularea activității științifice în echipe de cercetare cu antrenarea studenților/ masteranzilor/ doctoranzilor/ tinerelor cadre didactice (cercetători) dovedită prin:</b>  | 3/articol ISI  |            | <b>24</b>        |                  |
| <b>a) publicații comune: lucrări ISI/lucrări BDI/carte/capitole de carte/atlase/hărți publicate/cursuri sub egida unor edituri internaționale sau recunoscute în domeniu</b>  |  |            |                  |                  |
| Drăguț, L., Eisank, C., 2011. Object representations at multiple scales from digital elevation models. Geomorphology, 129(3-4), 183-189.  |  |            | 3                |                  |
| Drăguț, L., Eisank, C., Strasser, T., 2011. Local variance for multi-scale analysis in geomorphometry. Geomorphology, 130(3-4), 162-172.  |  |            | 3                |                  |
| Drăguț, L., Eisank, C., 2012. Automated object-based classification of topography from SRTM data. Geomorphology, 141-142, 21-33.  |  |            | 3                |                  |
| d'Oleire-Oltmanns, S., Eisank, C., Dragut, L., Blaschke, T., 2013. An Object-Based Workflow to Extract Landforms at Multiple Scales From Two Distinct Data Types. Geoscience and Remote Sensing Letters, IEEE, 10(4), 947-951.  |  |            | 3                |                  |
| Ardelean, F., Drăguț, L., Urdea, P., Török-Oance, M., 2013. Variations in landform definition: a quantitative assessment of differences between five maps of glacial cirques in the Țarcu Mountains (Southern Carpathians, Romania). Area, 45(3), 348-357.                            |  |            | 3                |                  |
| Parvulescu, L., Zaharia, C., Satmari, A., Dragut, L., 2013. Is the distribution pattern of the stone crayfish in the Carpathians related to karstic refugia from Pleistocene glaciations? Freshwater Science (Journal of the North American Benthological Society), 32(4), 1410-1419. |  |            | 3                |                  |
| Belgiu, M., Drăguț, L., Strobl, J., 2014. Quantitative evaluation of variations in rule-based classifications of land cover in urban neighbourhoods using WorldView-2 imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 87(0), 205-215.                                    |  |            | 3                |                  |

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|-------------|---|------------|------------------|------------------|
|             | Drăguț, L., Csillik, O., Eisank, C., Tiede, D., 2014. Automated parameterisation for multi-scale image segmentation on multiple layers. ISPRS Journal of Photogrammetry and Remote Sensing, 88(0), 119-127. |            |                  | 3                |
|             | <b>Punctaj total I<sub>1</sub>-I<sub>21</sub></b>   |            | ≥61,5            | 193.24           |

