

## **LISTA**

### **lucrărilor științifice în domeniul disciplinelor din postul didactic**

#### **A – Selectie 10 lucrări**

1. P. Mazzetti, R. Roncella, D. Mihon, **V. Bâcu**, P. Lacroix, Y. Guigoz, N. Ray, G. Giuliani, D. Gorgan, S. Nativi, Integration of data and computing infrastructures for earth science: an image mosaicking use-case, *Earth Science Informatics*, vol. 9, issue 3, 2016, pp 325–342, ISSN 1865-0473.
2. D. Gorgan, **V. Bâcu**, T. Ștefănuț, D. Rodilă, D. Mihon, Earth Observation application development based on the Grid oriented ESIP satellite image processing platform, *COMPUTER STANDARDS & INTERFACES*, vol. 34, no. 6, 2012, pp. 541-548, ISSN 0920-5489.
3. **V. Bâcu**, D. Mihon, D. Rodilă, T. Ștefănuț, D. Gorgan. Grid based architectural components for SWAT model calibration. Proceedings of the 2011 International Conference on High Performance Computing and Simulation, July, 04-08, 2011, Istanbul, TURKEY, pp. 193-199, ISBN 978-1-61284-380-3
4. **V. Bâcu**, D. Mihon, D. Rodilă, T. Ștefănuț, D. Gorgan. gSWAT platform for grid based hydrological model calibration and execution. Proceedings - 2011 10th International Symposium on Parallel and Distributed Computing, July, 06-08, 2011, Cluj-Napoca, ROMANIA, pp. 288-291, ISBN 978-1-4577-1536-5
5. **V. Bâcu**, D. Mihon, T. Ștefănuț, D. Rodilă, D. Gorgan, P. Cau, S. Manca. Grid based services and tools for hydrological model processing and visualization. Proceedings of 13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, September, 26-29, 2011, Timisoara, ROMANIA, pp. 291-298, ISBN 978-1-4673-0207-4
6. **V. Bâcu**, D. Gorgan. Grid application oriented computational resource allocation strategy. Proceedings of 2012 International Conference on High Performance Computing & Simulation, July, 02-06, 2012, Madrid, SPAIN, pp. 581-587, ISBN 978-1-4673-2359-8
7. **V. Bâcu**, D. Rodilă, V.-D. Mihon, T. Ștefănuț, D. Gorgan. Error prevention and recovery mechanisms in the ESIP platform. Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, August, 26-28, 2010, Cluj-Napoca, ROMANIA, pp. 411-417, ISBN 978-1-4244-8228-3
8. D. Mihon, **V. Bâcu**, R. Meszaros, G. Gelybo, D. Gorgan. Satellite image interpolation and analysis through GreenView application. Proceedings of the 4th International Conference on Complex, Intelligent and Software Intensive Systems, February, 15-18, 2010, Krakow, POLAND, pp. 514-519, 978-1-4244-5917-9
9. D. Gorgan, **V. Bâcu**, D. Mihon, T. Ștefănuț, D. Rodilă, P. Cau, K. Abbaspour, G. Giuliani, N. Ray, A. Lehmann, Software Platform Interoperability Throughout EnviroGRIDS Portal, *IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING*, vol. 5, no. 6, 2012, pp. 1617-1627, ISSN 1939-1404

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10. D. Gorgan, **V. Bâcu**, D. Rodila, F. Pop, D. Petcu, Experiments on ESIP-Environment oriented satellite data processing platform, EARTH SCIENCE INFORMATICS, vol. 3, no. 4, 2010, pp. 297-308, ISSN 1865-0473

## B – Teza de doctorat

„Medii de dezvoltare al aplicatiilor distribuite pe arhitecturi Grid”  
Conducător științific : Prof.dr.ing. Dorian Gorgan  
Universitatea Tehnică din Cluj-Napoca  
Susținere publică: 14.05.2013.

## C – Brevete obținute pentru întreaga activitate

## D – Cărți și capitole în cărți publicate în ultimii 10 ani

### **CĂRȚI**

1. **V. Bâcu**, T. Ștefănuț, D. Mihon, D. Gorgan, Elements of computer assisted graphics - Laboratory works, Editura U.T. PRESS, Cluj-Napoca, 2015, ISBN 978-606-737-058-4
2. T. Ștefănuț, D. Mihon, **V. Bâcu**, D. Gorgan, Proiectarea interfețelor utilizator - Îndrumător de laborator, Editura U.T. PRESS Cluj-Napoca, 2015, ISBN 978-606-737-068-3

### **CAPITOLE DE CARTE**

1. D. Mihon, **V. Bâcu**, D. Rodilă, T. Ștefănuț, K. Abbaspour, E. Rouholahnejad, D. Gorgan. *Grid Based Hydrologic Model Calibration and Execution*, Springer-Verlag Berlin, 2013, pp. 279-293, ISBN 978-3-642-32547-2
2. D. Petcu, D. Zaharie, M. Neagul, S. Panica, M. Frîncu, D. Gorgan, T. Ștefănuț, **V. Bâcu**. *Remote Sensed Image Processing on Grids for Training in Earth Observation*, InTech, 2009, pp. 115-140, ISBN 978-953-307-026-1
3. Gorgan, D., Melenti, C., **Bâcu**, V., Muresan, O., Imagery Based Processing over Grid. Proceedings of the SE-GRID Workshop on Scientific and Educational Grid Applications, 16 November 2007, Iasi. ISSN 1843-7257, pp. 421-426. Published as well by Buletinul Institutului Politehnic din Iași, Tome LIII (LVII) Fasc. 1-4, 2007, AUTOMATIC CONTROL and COMPUTER SCIENCE Section, pp. 113-122 (2007).

## E – Lucrări indexate ISI/BDI publicate în ultimii 10 ani

### **c1) Articole / studii publicate în reviste de specialitate de circulație internațională recunoscute (cotate ISI)**

1. Colceriu Vlad Doru, Stefanut Teodor, **Bacu Victor**, Gorgan Dorian, Annotation and Position Recall from Low Grade Sensorial Data in the Context of Topological Railway Maps, STUDIES IN INFORMATICS AND CONTROL, Volume: 26 Issue: 4 Pages: 469-480, ISSN: 1220-1766, Published:DEC 2017
2. P. Mazzetti, R. Roncella, D. Mihon, **V. Bâcu**, P. Lacroix, Y. Guigoz, N. Ray, G. Giuliani, D. Gorgan, S. Nativi, Integration of data and computing infrastructures for earth science:

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- an image mosaicking use-case, *Earth Science Informatics*, vol. 9, issue 3, 2016, pp 325–342, ISSN 1865-0473.
3. E. Rouholahnejad, K. Abbaspour, R. Srinivasan, **V. Bâcu**, A. Lehmann, Water resources of the Black Sea Basin at high spatial and temporal resolution, *WATER RESOURCES RESEARCH*, vol. 50, no. 7, 2014, pp. 5866-5885, ISSN 0043-1397.
  4. D. Gorgan, **V. Bâcu**, D. Mihon, T. Ștefănuț, D. Rodilă, P. Cau, K. Abbaspour, G. Giuliani, N. Ray, A. Lehmann, Software Platform Interoperability Throughout EnviroGRIDS Portal, *IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING*, vol. 5, no. 6, 2012, pp. 1617-1627, ISSN 1939-1404.
  5. D. Gorgan, **V. Bâcu**, T. Ștefănuț, D. Rodilă, D. Mihon, Earth Observation application development based on the Grid oriented ESIP satellite image processing platform, *COMPUTER STANDARDS & INTERFACES*, vol. 34, no. 6, 2012, pp. 541-548, ISSN 0920-5489.
  6. D. Rodilă, **V. Bâcu**, D. Gorgan, Comparative parallel execution of SWAT hydrological model on multicore and grid architectures, *INTERNATIONAL JOURNAL OF WEB AND GRID SERVICES*, vol. 8, no. 3, 2012, pp. 304-320, ISSN 1741-1106.
  7. D. Gorgan, **V. Bâcu**, D. Mihon, D. Rodilă, K. Abbaspour, E. Rouholahnejad, Grid based calibration of SWAT hydrological models, *NATURAL HAZARDS AND EARTH SYSTEM SCIENCES*, vol. 12, no. 7, 2012, pp. 2411-2423, ISSN 1561-8633.
  8. D. Mihon, **V. Bâcu**, D. Gorgan, R. Meszaros, G. Gelybo, Practical considerations on the GreenView application development and execution over SEE-GRID, *EARTH SCIENCE INFORMATICS*, vol. 3, no. 4, 2010, pp. 247-258, ISSN 1865-0473.
  9. D. Gorgan, **V. Bâcu**, D. Rodila, F. Pop, D. Petcu, Experiments on ESIP-Environment oriented satellite data processing platform, *EARTH SCIENCE INFORMATICS*, vol. 3, no. 4, 2010, pp. 297-308, ISSN 1865-0473.

**c2) Studii publicate la conferințe indexate în baze de date internaționale de referință în domeniul Calculatoare si Tehnologia Informatiei (ISI, DBLP, ACM, IEEE, SCOPUS)**

1. Bacu, V., Sabou, A., Stefanut, T., Gorgan, D., Vaduvescu, O., NEARBY platform for detecting asteroids in astronomical images using cloud-based containerized applications, 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 371-376 [**SCOPUS**], [**IEEE**].
2. Stefanut, T., Bacu, V., Nandra, C., Balasz, D., Gorgan, D., Vaduvescu, O., NEARBY Platform: Algorithm for automated asteroids detection in astronomical images, 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 365-369 [**SCOPUS**], [**IEEE**].
3. **Bacu Victor**, Nandra Constantin, Stefanut Teodor, Gorgan Dorian, SWAT model calibration over Cloud infrastructures using the BigEarth platform, 2017 13TH IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP), Pages: 453-460, Published:2017 [**ISI**], [**SCOPUS**], [**IEEE**].
4. Nandra, C., **Bacu, V.**, Gorgan, D., Distributed, workflow-driven rendering of 3D object scenes on a big data processing platform, 2018 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2018 - THETA 21st Edition, Proceedings, pp. 1-6 [**SCOPUS**], [**IEEE**].
5. Nandra, C., **Bacu, V.**, Gorgan, D., Parallel Earth Data Tasks Processing on a Distributed Cloud Based Computing Architecture, Proceedings - 2017 21st International

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- Conference on Control Systems and Computer, CSCS 2017, pp. 677-684 [SCOPUS], [IEEE].
6. Colceriu, V.D., Stefanut, T., **Bacu, V.**, Gorgan, D., Low Grade Sensor Data Based Annotation of Topological Railway Maps, in Proceedings - 2017 21st International Conference on Control Systems and Computer, CSCS 2017, pp. 167-174 [SCOPUS], [IEEE].
  7. V.D. Colceriu, T. Ștefănuț, **V. Bacu**, D. Gorgan. Generating accuracy and integrity aware train movement maps using GNSS and MEMS sensors. *Proceedings of IEEE International Conference on Intelligent Computer Communication and Processing ICCP, ICCP 2015*, September, 03-05, 2015, Cluj-Napoca, România, pp. 441-446, ISBN 978-1-4673-8200-7 [ISI], [SCOPUS], [IEEE].
  8. **V. Bacu**, T. Ștefănuț, D. Gorgan. Adaptive processing of Earth Observation data on Cloud infrastructures based on workflow description. *Proceedings of IEEE International Conference on Intelligent Computer Communication and Processing ICCP*, September, 03-05, 2015, Cluj-Napoca, România, pp. 449-454, ISBN 978-1-4673-8200-7 [ISI], [SCOPUS], [IEEE].
  9. D. Mihon, **V. Bacu**, V. Colceriu, D. Gorgan. Modeling of Earth Observation use cases through KEOPS system. *Proceedings of IEEE International Conference on Intelligent Computer Communication and Processing ICCP*, September, 03-05, 2015, Cluj-Napoca, România, pp. 455-460, ISBN 978-1-4673-8200-7 [ISI], [SCOPUS], [IEEE].
  10. D. Mihon, T. Ștefănuț, **V. Bacu**, C. Nandra, D. Gorgan. The Geo-spatial Service Integration in Educational Domains by WPS Compliant Standard Means. *Proceedings of IEEE International Conference on Intelligent Computer Communication and Processing ICCP*, September, 04-06, 2014, Cluj-Napoca, România, pp. 383-389, ISBN 978-1-4799-6569-4 [ISI], [SCOPUS], [IEEE].
  11. M. Bica, **V. Bacu**, D. Mihon, D. Gorgan. Architectural Solution for Virtualized Processing of Big Earth Data. *Proceedings of IEEE International Conference on Intelligent Computer Communication and Processing ICCP*, September, 04-06, 2014, Cluj-Napoca, România, pp. 399-404, ISBN 978-1-4799-6569-4 [ISI], [SCOPUS], [IEEE].
  12. V.D. Colceriu, **V. Bacu**, T. Ștefănuț, D. Gorgan. Distributed Context Aware Train Localization System. *Proceedings of IEEE International Conference on Intelligent Computer Communication and Processing ICCP*, September, 04-06, 2014, Cluj-Napoca, România, pp. 417-422, ISBN 978-1-4799-6569-4 [ISI], [SCOPUS], [IEEE].
  13. L. Biro, **V. Bacu**, D. Rodilă, L. Barabas, D. Gorgan. Grid to cloud migration of scientific applications, using dynamically created cloud clusters. *Proceedings of Intelligent Computer Communication and Processing (ICCP)*, September, 30-01, 2012, Cluj-Napoca, ROMANIA, pp. 335-340, ISBN 978-1-4673-2953-8 [SCOPUS], [IEEE].
  14. **V. Bacu**, D. Gorgan. Grid application oriented computational resource allocation strategy. *Proceedings of 2012 International Conference on High Performance Computing & Simulation*, July, 02-06, 2012, Madrid, SPAIN; pp. 581-587, ISBN 978-1-4673-2359-8 [SCOPUS], [IEEE].
  15. **V. Bacu**, D. Mihon, T. Ștefănuț, D. Rodilă, D. Gorgan, P. Cau, S. Manca. Grid based services and tools for hydrological model processing and visualization. *Proceedings of 13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, September, 26-29, 2011, Timisoara, ROMANIA, pp. 291-298, ISBN 978-1-4673-0207-4 [ISI], [SCOPUS], [IEEE].
  16. D. D. Rodilă, **V. Bacu**, D. Gorgan. Comparative Analysis of Multicore and Grid Based Execution of SWAT Model. *Proceedings of 2011 International Conference on P2P*,

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- Parallel, Grid, Cloud and Internet Computing (3PGCIC)*, October, 26-28, 2011, Barcelona, SPAIN, pp. 273-278, 978-1-4577-1448-1 [IEEE].
- 17. D. Gorgan, K. Abbaspour, P. Cau, **V. Bâcu**, D. Mihon, G. Giuliani, N. Ray, A. Lehmann. Grid based data processing tools and applications for black Sea catchment basin. *Proceedings of the 6th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications*, September, 15-17, 2011, Prague, CZECH REPUBLIC, pp. 223-228., ISBN 978-1-4577-1426-9 [SCOPUS], [IEEE].
  - 18. **V. Bâcu**, D. Mihon, D. Rodilă, T. Ștefănuț, D. Gorgan. gSWAT platform for grid based hydrological model calibration and execution. *Proceedings - 2011 10th International Symposium on Parallel and Distributed Computing*, July, 06-08, 2011, Cluj-Napoca, ROMANIA, pp. 288-291, ISBN 978-1-4577-1536-5 [SCOPUS], [IEEE].
  - 19. **V. Bâcu**, D. Mihon, D. Rodilă, T. Ștefănuț, D. Gorgan. Grid based architectural components for SWAT model calibration. *Proceedings of the 2011 International Conference on High Performance Computing and Simulation*, July, 04-08, 2011, Istanbul, TURKEY, pp. 193-199, ISBN 978-1-61284-380-3 [SCOPUS], [IEEE].
  - 20. **V. Bâcu**, D. Rodilă, V.-D. Mihon, T. Ștefănuț, D. Gorgan. Error prevention and recovery mechanisms in the ESIP platform. *Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing*, August, 26-28, 2010, Cluj-Napoca, ROMANIA, pp. 411-417, ISBN 978-1-4244-8228-3 [SCOPUS], [IEEE].
  - 21. V.-D. Mihon, **V. Bâcu**, T. Ștefănuț, D. Gorgan. Considerations on the Grid oriented environmental application development framework. *Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing*, August, 26-28, 2010, Cluj-Napoca, ROMANIA, pp. 419-426, ISBN 978-1-4244-8228-3 [SCOPUS], [IEEE].
  - 22. D. Gorgan, T. Ștefănuț, **V. Bâcu**, D. Mihon, D. Rodilă. Grid Based Environment Application Development Methodology. *Proceedings of 6th International Conference on Large-Scale Scientific Computing*, June, 04-08, 2009, Sozopol, BULGARIA, pp. 499-506, ISBN 978-3-642-12534-8
  - 23. D.D. Rodilă, D. Gorgan, **V. Bâcu**. The interoperability between OGC services and grid environment in enviroGRIDS project. *Proceedings - International Conference on P2P, Parallel, Grid, Cloud and Internet Computing*, November, 04-06, 2010, Fukuoka, JAPAN, pp. 387-392, 978-1-4244-8538-3 [SCOPUS], [IEEE].
  - 24. D. Mihon, **V. Bâcu**, R. Meszaros, G. Gelybo, D. Gorgan. Satellite image interpolation and analysis through GreenView application. *Proceedings of the 4th International Conference on Complex, Intelligent and Software Intensive Systems*, February, 15-18, 2010, Krakow, POLAND, pp. 514-519, 978-1-4244-5917-9 [ISI], [SCOPUS], [IEEE].
  - 25. D. Petcu, S. Panica, M. Neagul, M. Frîncu, D. Zaharie, D. Gorgan, T. Ștefănuț, **V. Bâcu**. GiSHEO: On-line Platform for Training in Earth Observation. *Proceedings of the International Conference on Virtual learning*, October, 29-31, 2010, Targu Mures, ROMANIA, pp. 290-296, ISSN 1844-8933 [ISI].
  - 26. D.D. Rodila, **V. Bâcu**, D. Gorgan. Semantic annotation based service composition for grid workflow description and execution. *Proceedings of International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)*, September, 26-29, 2009, Timisoara, ROMANIA, pp. 245-253, ISBN 978-0-7695-3964-5 [ISI], [SCOPUS], [IEEE], [DBLP].
  - 27. D. Mihon, **V. Bâcu**, T. Ștefănuț, D. Gorgan. Grid Based Environment Application Development - GreenView Application. *Proceedings of International Conference on Intelligent Computer Communication and Processing ICCP*, August, 27-29, 2009, Cluj

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- Napoca, ROMANIA, pp. 275-282, ISBN 978-1-4244-5007-7 [ISI], [SCOPUS], [IEEE].
28. D. Rodilă, **V. Bâcu**, D. Gorgan. Integration of Satellite Image Operators as Composed Web Services in gProcess Workflows. *Proceedings of International Conference on Intelligent Computer Communication and Processing ICCP*, August, 27-29, 2009, Cluj Napoca, ROMANIA, pp. 355-358, ISBN 978-1-4244-5007-7 [ISI], [SCOPUS], [IEEE].
29. D. Gorgan, **V. Bâcu**, T. Ștefanuț, D. Rodilă, D. Mihon. Grid based Satellite Image Processing Platform for Earth Observation Application Development. *Proceedings of IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems-Technology and Applications-IDAACS*, September, 21-23, 2009, Rende, ITALY, pp. 247-252, ISBN 978-1-4244-4881-4 [ISI], [SCOPUS], [IEEE].
30. D. Gorgan, C.M. Mocan, **V. Bâcu**. Remote graphical visualization of interactive virtual geographical space. *Proceedings of 32nd International Convention: Microelectronics, Electronics and Electronic Technology, MEET and Grid and Visualizations Systems*, May, 25-29, 2009, Opatija; Croatia, pp. 329-334, 978-1-4244-5917-9 [SCOPUS].
31. D. Gorgan, T. Ștefanuț, **V. Bâcu**. Grid Based Training Environment for Earth Observation. *Proceedings of Advances In Grid And Pervasive Computing*, May, 04-08, 2009, Geneva, SWITZERLAND, pp. 98-109, ISBN 978-3-642-01670-7 [ISI], [SCOPUS], [DBLP].
32. **V. Bâcu**, L. Mureșan, D. Gorgan. Cluster Based Modeling and Remote Visualization of Virtual Geographical Space. *Proceedings of 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, September, 26-29, 2009, Timisoara, ROMANIA, pp. 416-421, ISBN 978-0-7695-3523-4 [ISI], [SCOPUS], [DBLP], [IEEE].
33. **V. Bâcu**, D. Gorgan. Graph Based Evaluation of Satellite Imagery Processing over Grid. *Proceedings of 7th International Symposium on Parallel and Distributed Computing*, July, 01-05, 2008, Cracow, POLAND, pp. 147-154, ISBN 978-0-7695-3472-5 [ISI], [SCOPUS], [DBLP], [IEEE].
34. **V. Bâcu**, D. Gorgan. Resource measurements for water detection algorithm in MedioGrid architecture. *Proceedings of 6th International Symposium on Parallel and Distributed Computing*, July, 05-08, 2007, Hagenberg, AUSTRIA, pp. 107-114, ISBN 978-0-7695-2917-2 [ISI], [SCOPUS], [DBLP], [IEEE].
35. A. Radu, **V. Bâcu**, D. Gorgan. Diagrammatic Description of Satellite Image Processing Workflow. *Proceedings of 9th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, September, 26-29, 2007, Timisoara, ROMANIA, pp. 341-348, ISBN 978-0-7695-3078-9 [ISI], [SCOPUS], [DBLP], [IEEE].
36. **V. Bâcu**, O. Mureșan, D. Gorgan. MODIS image based computation of vegetation indices in MedioGRID architecture. *Proceedings of 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, September, 26-29, 2007, Timisoara, ROMANIA, pp. 267-275, ISBN 978-0-7695-2740-6 [ISI], [SCOPUS], [DBLP], [IEEE].

#### F – Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)

1. **V. Bâcu**, T. Ștefanuț, D. Rodilă, D. Gorgan. Process Description Graph Composition by gProcess Platform. *HiPerGRID - 3rd International Workshop on High Performance Grid Middleware*. 28 May 2009, Bucharest, Romania, pp. 423-430, ISSN 2065-0701

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2. P. Cau, S. Manca, D. Muroni, D. Gorgan, **V. Bâcu**, A. Lehmann, N. Ray, G. Giuliani, An Interoperable OGC-Compliant Decision Support System for Water Resources Management. *International Journal of Advanced Computer Science and Applications (IJACSA), EnviroGRIDS Special Issue on "Building a Regional Observation System in the Black Sea Catchment"*, 2013, pp. 75-82, ISSN 2158-107X.
  3. D. Mihon, V. Colceriu, **V. Bâcu**, K. Allenbach, D. Rodila, G. Giuliani, D. Gorgan, OGC Compliant Services for Remote Sensing Processing over the Grid Infrastructure. *International Journal of Advanced Computer Science and Applications (IJACSA), EnviroGRIDS Special Issue on "Building a Regional Observation System in the Black Sea Catchment"*, 2013, pp. 32-40, ISSN 2158-107X.
  4. D. Mihon, V. Colceriu, **V. Bâcu**, D. Gorgan, Grid based processing of satellite images in GreenLand platform, *International Journal of Advanced Computer Science and Applications (IJACSA), EnviroGRIDS Special Issue on "Building a Regional Observation System in the Black Sea Catchment"*, 2013, pp. 41-49, ISSN 2158-107X.
  5. V. Colceriu, D. Mihon, A. Minculescu, **V. Bâcu**, D. Rodila, D. Gorgan, Mathematical Modeling of Distributed Image Processing Algorithms. *International Journal of Advanced Computer Science and Applications (IJACSA), EnviroGRIDS Special Issue on "Building a Regional Observation System in the Black Sea Catchment"*, 2013, pp. 50-57, ISSN 2158-107X.
  6. **V. Bâcu**, D. Mihon, T. Ștefanuț, D. Rodilă, D. Gorgan, Calibration of SWAT hydrological models in a distributed environment using the gSWAT application, *International Journal of Advanced Computer Science and Applications (IJACSA), EnviroGRIDS Special Issue on "Building a Regional Observation System in the Black Sea Catchment"*, 2013, pp. 66-74, ISSN 2158-107X.
  7. D. Gorgan, **V. Bâcu**, D. Mihon, D. Rodila, T. Ștefanuț, K. Abbaspour, P. Cau, G. Giuliani, N. Ray, A. Lehmann. Spatial data processing tools and applications for Black Sea catchment region, *International Journal of Computing*, vol. 11, no. 4, 2012, pp. 327-335.
  8. Dorian Gorgan, Teodor Stefanut, Mircea Marginean, **Victor Bacu**, Developing and Using Teaching Materials in eGLE Environment, in *Romanian Journal of Human-Computer Interaction*, vol. 3, no. 2, 2010.
  9. D. Gorgan, T. Ștefanuț, M. Mărginean, **V. Bâcu**. Dezvoltarea și utilizarea materialelor educaționale în mediul eGLE, *Revista Română de Interacțiune Om-Calculator*, vol. 3, no. 2, 2010, pp. 139-156.
  10. V. D. Mihon, V. Colceriu, **V. Bâcu**, D. Gorgan, Tehnici de vizualizare a imaginilor satelitare prin servicii geospațiale, *Revista Română de Interacțiune Om-Calculator*, vol. 6, no. 1, 2013, pp. 1-22.

Data  
12.06.2019

Semnătura

