

## Lista lucrari publicate

Oana Catalina Bute

- **Articole publicate in reviste cu cotate ISI: 1**

1. **O.Bute**, Gh.V.Cimpoca, E.Placidi, F.Arciprete, F.Patella, M.Fanfoni, A.Balzarotti: „The monitoring of 2D to 3D Transition for InAs/GaAs (001) Self-Assembled Quantum Dots by Atom Force Microscopy”, Journal of Optoelectronic and Advansed Materials, Vol.10, No.1, January 2008, p.74-79.

- **Articole publicate in reviste de specialitate: 2**

1. V.Cimpoca, I.Cernica, **O.Bute**, “Radiation Damage Effect on X-Ray Silicon Detectors”: Rom. J. Of Physics, vol. 48, No. 1-4, 2003.
2. **O. Bute**, E. Placidi, F. Arciprete, F. Patella, A. Balzarotti, V. Cimpoca “The study of self-assembled nanostructures by Atomic Force Microscopy”:Revista Academiei Romane, 2006.

- **Articole publicate in proceedings -urile conferintelor internationale: 1**

1. **O.Bute**, Gh. V. Cimpoca, E. Placidi , F. Arciprete, F. Patella, M. Fanfoni, A. Balzarotti “The influence of the wetting layer morphology on the nucleation and the evolution of inas/gaas (001) quantum dots”, CAS 2007 Proceedings, IEEE Catalog Number 07TH8934, ISBN 1-4244-0846-4, ISSN 1545-827X, pp.337-340.

- **Articole prezentate la conferinte nationale si internationale (abstract): 9**

1. V.Cimpoca, I.Cernica, **O.Bute**, “Radiation Damage Effect on X-Ray Silicon Detectors”, The third International Balkan Workshop on Applied Physics, June 26-28, 2002, Targoviste, Romania.
2. V.Cimpoca, Elena Manea, **O.Bute**, “Microfabrication Devices for Molecular Biologii”, Physics Conference TIM-03, Timisoara, 28-29 Noiembrie 2003.

3. V. Cimpoca, **O.Bute**, E.Manea, “Application of Micro and Nanotechnology in Biology and Medicine”, The 5th International Balkan Workshop on Applied Physics, Constanta, Romania, 5-7 iulie 2004, S4 L02, Ovidius University Press 2004. p 115.
4. **O Bute**, F. Arciprete, F. Patella, A. Balzarotti, M. Fanfoni, Gh. Cimpoca, “Atomic force microscopy analyses of InAs/GaAs(001) heterostructures grown by molecular beam epitaxy”, Al VI-lea Workshop Balcanic International de Fizica Aplicata, Constanta 5-7 iulie 2005; Romania.
5. V.Cimpoca, E.Manea, **O.Bute**, “Nanocells and Microarray Technology for Molecular Biology and Biotechnology, 4<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, Sept.25-27, 2003.
6. **O.Bute**, Gh.V.Cimpoca, E.Placidi, F.Arciprete, F.Patella, M.Fanfoni, A.Balzarotti, „The monitoring of 2D to 3D Transition for InAs/GaAs (001) Self-Assembled Quantum Dots by Atom Force Microscopy”, The 8<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July, 5-7, 2007, ISBN 978-973-614-391-5.
7. **O.Bute**, Gh.V.Cimpoca, E.Placidi, F.Arciprete, F.Patella, M.Fanfoni, A.Balzarotti, “Wetting Layer Contribution to InAs/GaAs (001) Quantum Dots Nucleation”, The 9<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July, 5-7, 2008.
8. **O.Bute**, Gh. V. Cimpoca, E. Placidi , F. Arciprete, F. Patella, M. Fanfoni, A. Balzarotti “The influence of the wetting layer morphology on the nucleation and the evolution of inas/gaas (001) quantum dots”, International Semiconductor Conference, Sinaia, Romania, 2007.
9. **O. Bute**, E. Placidi, F. Arciprete, F. Patella, A. Balzarotti, V. Cimpoca “The study of self-assembled nanostructures by Atomic Force Microscopy”, Seminarul de nanostiinta si nanotehnologii, Academia Romana, Bucuresti, Romania, ianuarie 2006.

- **Articole publicate in reviste ale Universitatilor recunoscute de CNCSIS: 3**

1. **O. Bute**, „The nanophysics processing of atomic units”: Analele Universitatii Valahia din Targoviste, Nr. 12, 2002, ISSN 1453-8202.
2. C. Stih, G. Busuioc, I. V. Popescu, T. Badica, C. Oros, G. Dima, S. Dinu, S. Apostol, **O. Bute**, V. Stih, V. Ciobanu, D. Stoian, „PIXE and ICP methods applied in vegetal biology”: Analele Universitatii Valahia din Targoviste, Nr. 15, 2005, ISSN 1584-5567.
3. **O. Bute**, Gh. V. Cimpoa, „Atomic Force Microscopy-atomic investigation method”: Analele Universitatii Valahia din Targoviste, Nr. 17, 2007, ISSN 1584-5567.

• **Carti publicate:**

1. M. Iordan, C. Oros, C. Stih, Gh. Vlaicu, G. Dima, D. Vladescu, **O. Coman (Bute)**: „Mecanica fizica si acustica”-manual pentru laborator, Editura Domino,Targoviste, ISBN 973-98078-4-4, 1998.
2. M. Iordan, C. Oros, C. Stih, Gh. Vlaicu, G. Dima, D. Vladescu, **O. Coman (Bute)**:”Fizica moleculara si caldura”- manual pentru laborator, Editura Domino,Targoviste, ISBN 973-98078-2-8, 1998.
3. Gh. V. Cimpoa, **O. Bute:**” Fizica si tehnologia materialelor nanostructurate”, Editura Biblioteca, Targoviste, ISBN 978-973-712-378-7, 2008.
4. Gh. V. Cimpoa, D. D. Leț, A.S. Stancu, O. Bute, „Fizica și tehnologia materialelor avansate. Aplicații”, Editura Biblioteca, Târgoviște, 2010.