



CURRICULUM VITAE

Personal details:

Name, Surname: Mircea, Moldovan

Academic Title: Lecturer, MD, PhD

Department: Biophysics, Biotechnology, Medical Physics, M1

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Areas of interest (maximum 5 domains):

theoretical physics, atomic physics, computational physics

Research activity:

1. Research projects (maximum 3 projects)

CNMP/NCPM Grant no. 22139

Optimization of heat transfer through multilayer insulation of cryogenic equipment

Project manager: PhD. Prof. Adrian Costescu, Bucharest University

CNMP/NCPM Grant no. 71002

Physical and mathematical models for theoretical and experimental study of energy, heat and mass transfer mechanisms to extreme temperatures, with applications to the processes of fusion facilities

Project manager: PhD. Prof. Adrian Costescu, Bucharest University

2. Articles published in extenso (maximum 5 articles)

Costescu, A & Karim, K & Moldovan, Mircea & Spanulescu, S. & Stoica, C. (2011). Rayleigh scattering of x-ray and γ -ray by 1s and 2s electrons in ions and neutral atoms. Journal of Physics B: Atomic, Molecular and Optical Physics. 44. 045204. 10.1088/0953-4075/44/4/045204.

Costescu, A. & Moldovan, Mircea & Spanulescu, S. & Stoica, C.. (2011). Elastic photon scattering and photoeffect by K-shell electrons in neutral atoms. Romanian Reports in Physics. 63. 782-794.

Spanulescu, S. & Moldovan, Mircea. (2009). Effects of a Supplementary Quadrature in the Collocation Method for Solving the Hartree Fock Equations in Ab-initio calculations. WSEAS Transactions on Mathematics. 8.

