

Anexa1: Standarde minimale de eligibilitate pentru directorul de proiect

List of papers published in the interval 2001-2001 in ISI journals having the project director a principal author. Total Score Relative of Influence (SRI) =46.1508

[1] Some new properties of deformed atomic clusters described in a projected spherical basis, **A. A. Raduta**, E. Garrido, E. Moya de Guerra, **Eur.Phys.Jour. D 15 (2001) 65.**
SRI=0.98102

[2] Ground state particle-particle correlations and double beta decay, **A. A. Raduta**, P. Sarriguren, A. Faessler and E. Moya de Guerra, **Ann. Phys. (N.Y.) 294 (2001) 182-202.**
SRI=3.46207

[3]New results for decay with large particle-particle two body proton-neutron interaction, **A. A. Raduta**, O. Haug, F. Simkovic and A. Faessler, **Jour. Phys. G: Nucl. Part. Phys. 27 (2001) 1-25.**
SRI=1.28067

[4] Unified description of three positive and three negative rotational bands, **A. A. Raduta**, D. Ionescu and A. Faessler, **Phys. Rev. C 65 (2002) 233.**
SRI =1.37423

[5] Description of collective magnetic states for some even-even Sm isotopes, **A. A. Raduta**, A. Escuderos and E. Moya de Guerra, **Phys. Rev. C 65 (2002)0243121-02431217.**
SRI =1.37423

[6] Ground State of Double Beta Decayng Nuclei, **A. A. Raduta**, **Progr. Part. Nucl. Phys. 48 (2002) 233-242.**
SRI=2.4908

[7] New features of collective motion of the intrinsic degrees of freedom. Toward a possible way to classify the intrinsic states, **A. A. Raduta**, L. Pacearescu and V. Baran, **Phys. Rev. C 67 (2003) 014301.**
SRI =1.37423

[8] New signatures for octupole deformation in some actinide nuclei, **A.A. Raduta** and D. Ionescu, **Phys. Rev. C 67 (2003) 044312.**
SRI=1.37423

[9] New features of positive and negative parity rotational bands in ²²⁶Ra, **A. A. Raduta**, D. Ionescu, I. I. Ursu and A. Faessler, **Nucl. Phys. A 720 (2003) 43.**
SRI=1.21166

[10] Description of Single and Double analog States in the $f7/2$ shell:the Ti Isotopes, **A. A. Raduta**, L. Zamick, E. Moya de Guerra, A. Faessler and P. Sarriguren, **Phys. Rev. C**, **68** (2003) 044317.

SRI =1.37423

[11] New results for the two neutrino double beta decay in deformed nuclei with an angular momentum projected basis, **A. A. Raduta**, A. Escuderos, A. Faessler, E. Moya de Guerra and P. Sarriguren, **Phys. Rev. C** **69**, (2004) 064321.

SRI =1.37423

[12] Remarks on the shape transition from spherical to deformed gamma unstable nuclei, **A. A. Raduta**, A. Gheorghe and A. Faessler, **Jour. Phys. Phys. G.** **31** (2005) 337-353.

SRI=1.28067

[13] New results for the two neutrino double beta decay in deformed nuclei with angular momentum projected basis, **A. A. Raduta**, C. M. Raduta and A. Escuderos, **Phys. Rev. C** **71** (2005) 034317.

SRI =1.37423

[14] Coherent state description of the shape phase transition in even-even Gd isotopes, **A. A. Raduta** and A. Faessler, **Jour. Physics G**, **31**(2005) 873-901.

SRI=1.28067

[15] Semiclassical description of a sixth order quadrupole boson Hamiltonian, **A. A. Raduta**, A. D. Aaron and I. I. Ursu, **Nucl. Phys. A**, **772** (2006)20-54.

SRI=1.21166

[16] Description of positive and negative parity dipole bands in octupole deformed nuclei, **A. A. Raduta**, C.M. Raduta and Amand Faessler, **Phys. Lett. B**, **635** (2006) 80.

SRI=3.46667

[17] Positive and negative parity bands in ^{226}Ra , **A. A. Raduta** and C. M. Raduta, **Nucl. Phys. A** **768** (2006) 170.

SRI=1.21166

[18] Simultaneous description of four positive and four negative parity bands, **A. A. Raduta**, Al. H. Raduta and C. M. Raduta, **Phys. Rev. C****74** (2006) 044312.

SRI =1.37423

[19] Double beta decay to the first 2^+ state within a boson expansion formalism with a projected spherical single particle basis,**A. A. Raduta**, C. M. Raduta, **Phys. Lett. B** **647** (2007) 265-270.

SRI=3.46667

[20] A simple description of the states 0^+ and 2^+ in ^{168}Er , **A. A. Raduta** and F.D. Aaron, **Jour. Phys. G.** **34** (2007) 2053-20.

SRI=1.28067

[21] **A.A.Raduta**, R. Budaca, C.M.Raduta, Semiclassical description of a triaxial rigid rotor, **Phys.Rev.C**, **76**, **064309**, (2007).

SRI=1.37423

[22] Collective dipole excitations in sodium clusters, **A. A. Raduta**, R. Budaca, Al. H. Raduta, **Phys. Rev. A**, **79**, **023202** (2009).

SRI=3.16959

[23] Remarks on monopole charge properties within the generalized Coherent State Model, **A. A. Raduta**, C. M. Raduta, E. Moya de Guerra, P. Sarriguren,

Jour. Phys. G **36** (2009) **015114**.

SRI=1.28067

[24] Phenomenological description of the states 0^+ and 2^+ in some even-even nuclei, **A. A. Raduta**, F. D. Aaron, E. Moya de Guerra and Amand Faessler, **Jour. Phys. G**, **36** (2009) **055101** (25 pp)

SRI=1.28067

[25] A solvable model which has X(5) as a limiting symmetry and removes some inherent drawbacks, **A. A. Raduta**, A. C. Gheorghe, P. Buganu and A. Faessler, **Nucl. Phys. A**, **819** (2009) **46-78**.

SRI=1.21166

[26] The CSM extension to the odd-even octupole deformed nuclei, **A. A. Raduta**, C. M. Raduta, Amand Faessler, **Phys. Rev. C** **80**, **044327** (2009).

SRI=1.37423

[27] Closed formulas for ground band energies of nuclei with various symmetries, **A. A. Raduta**, R. Budaca and Amand Faessler, **Jour. Phys. G; Nucl. Part. Phys**, **37** (2010) **085108**.

SRI=1.28067

[28] Collective properties of Na clusters, **A. A. Raduta**, Al. H. Raduta and R. Budaca, **Journal of Superconductivity and Novel Magnetism**, **24** (2011) **645-651**.

SRI=0.48312

[29] Towards a new description of triaxial nuclei, **A. A. Raduta**, P. Buganu, **Phys. Rev. C**, **83** (2011) **034313**.

SRI=1.37423