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Studii:

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Grade sau diplome obținute	DIPLOMA DE LICENȚĂ ÎN FIZICĂ, SPECIALIZAREA FIZICĂ

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Experiența profesională:

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Temele de cercetare aparțin domeniului fizicii semiconductorilor:

- Studiul unor medii anizotrope si aplicatii.
- Studiul structurii, proprietăților electrice, optice, ale sistemelor atomice complexe.
- Interactiuni inrtermoleculare in mediii condensate.

Doctorat în Fizica Stării Condensate cu tema: "**Interactiuni intermoleculare studiate cu ajutorul spectroscopiei electronice si IR.**" conducător științific - Prof. dr. Doc. C. Mihul.

-Lucrări științifice publicate: **peste 200, din care 130 in reviste cotate ISI,**

- Lucrări științifice prezentate la conferințe naționale și internaționale: **120**

- Citări independente în reviste cotate ISI: **100**

Experiența acumulată în programe/proiecte naționale/internaționale: peste **30 granturi nationale ca membru, dintre care 5 ca director de grant.**

18. Alte mențiuni:

Cărți publicate:

1. Fenomene mecanice și termice, Probleme rezolvate, Dana Dorohoi, Elena Horga Leonas Dumitrașcu, Ed. Tehnopress, Iași, **1998**, 262pg:

2. Ultrasunetele. Aplicații în Medicină, Ilie Diaconu, Dana Dorohoi, Editura Tehnopress, Iași, **1998**, p.275;

3. Biopoliuretani, C. Ciobanu, V. Tura, D.O.Dorohoi, L.C. Ciobanu, Ed. Performantica, 152 pagini, ISBN (10):973-730-281-8; (13):978-973-730-281-6;

4. L. Dumitrascu. I. Dumitrascu, D.O. Dorohoi, D.Gh. Dimitriu, G. Apreotesei, M. Aflori, Complemente de Fizica pentru studen'ii Scolilor doctorale, vol.I, Tehnopress 2006, 335 pagini; Capitolul I, 170 pagini, autori L.Dumitrascu. I. Dumitrascu, D.O.Dorohoi,

5. D.O. Dorohoi, Optics, Ed. Tehnopress, 2009, ISBN-978-973-702-724-5

6. I. Dumitrascu, D.O. , Dorohoi, Proprietati optice ale mediilor cu ordonare partiala.Aplicatii Ed. Tehnopress, 2009, ISBN-978-973-702-641-5, 175 pagini

7. L. Dumitrascu, D.O. Dorohoi, Elemente de Optica mediilor anizotrope, Aplicatii Ed. Tehnopress, 2009, ISBN-978-973-702-679-8, 210 pagini

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3). Properties of polyurethane thin films, I. Diaconu, JOAM, vol.7(2), pp. 921-924,

4). Poly(ϵ -Caprolactam) as Support for some Biocidal Polymers, I. Structural characterization by FT-IR Spectroscopy, E. Rusu, Gh. Rusu, I. Hurjui, Materiale Plastice, 42 (4), p.252-257,

5). Isomorphous substitution of Fe³⁺ in the framework of large port mordenite, Vasile, A; Dorohoi, D; Timpu, D, Revista de Chimie, 56 (5), pp. 468-472 , May

6). An experimental investigation of electroactive polyurethane, Ilie Diaconu, Alina David and JOAM, 2005.

7). Determinarea compresibilitatii solutiilor binare din masuratori ale vitezei ultrasunetelor, Servillia Oancea, Rev. Chim. Buc., 56 (4), p. 371-374, 2005.

8). Estimating particle temperature for an Argon-Oxygen discharge by using Langmuir probe and optical emission spectroscopy, M. Aflori, G. Amarandei, L.M. Ivan, D.G. Dimitriu, Acta Physica Slovaca, 55(6), p. 491-499,

9). Automated identification of novel amphetamines using a pure neural network and neural networks coupled with principal component analysis, Gosav, S; Praisler, M; Dorohoi, DO, Popa

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- 27). L. Dumitrascu, I. Dumitrascu, *Order degree of polyvinyl alcohol (PVA) films estimated by a spectral method*, Materiale Plastice 45(1), p. 106-108
- 28). L. Dumitrascu, I. Dumitrascu, *Refractive index of PVA isotropic films measured by an interferometric method based on Fabry-Perot interfereometer*, Materiale Plastice 45(2), p. 217-120
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- 44). Study On The Intermolecular Interactions In Rifampicin Ternary Solutions-Calculation Of Microscopic Parameters Of Rifampicin Molecule, Nadejde C., Creanga D.E., Humelncu I., Filip E., Journal of Molecular Liquids, Volume 150, Pages 51-55, Published 2009
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