

## CURRICULUM VITAE

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Titlul științific: **DOCTOR ÎN FIZICĂ (1978)**  
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#### Temele de cercetare aparțin domeniului fizicii semiconductorilor:

- Studiul unor medii anizotrope și aplicații.
- Studiul structurii, proprietăților electrice, optice, ale sistemelor atomice complexe.
- Interacțiuni intermoleculare în medii condensate.

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

- Lucrări științifice publicate: **peste 200, din care 130 în reviste cotate ISI,**
- Lucrări științifice prezentate la conferințe naționale și internaționale: **160 lucrări științifice.**
- Citări independente în reviste cotate ISI: **peste 100**

Experiența acumulată în programe/proiecte naționale/internaționale: peste **30 granturi naționale 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, **2005**, 262pg:

2. Ultrasunetele. Aplicații în Medicină, Ilie Diaconu, Dana Dorohoi, Editura Tehnopress, Iași, **2005**, p.275;

3. Biopoliuretani, C. Ciobanu, V. Tura, D.O.Dorohoi, L.C. Ciobanu, Ed. Performantica, **2006**, 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

**Articole publicate în reviste de specialitate cotate în sistemul ISI:  
Anul 2005**

- 1). The birefringence of thin films of some nematic liquid crystals, S. Picoș, G. Amarandei, I. Diaconu, **D. Dorohoi**, JOAM, vol.7(2), pp. 787-793, **2005**.
- 2). Polyethyleneterephthalate (PET) films interactions with low energy oxygen ions, M. Gheorghiu, M. Aflori, **D. Dorohoi** and G. Popa, JOAM, vol.7(2), pp. 841-844, **2005**.
- 3). Properties of polyurethane thin films, I. Diaconu, **D.O. Dorohoi**, JOAM, vol.7(2), pp. 921-924, **2005**.
- 4). Poly( $\epsilon$ -Caprolactam) as Support for some Biocidal Polymers, I. Structural characterization by FT-IR Spectroscopy, E. Rusu, **Dana Dorohoi**, Gh. Rusu, I. Hurjui, Materiale Plastice, 42 (4), p.252-257, **2005**.
- 5). Isomorphous substitution of Fe<sup>3+</sup> in the framework of large port mordenite, Vasile, A; Dorohoi, D; Timpu, D, Revista de Chimie, 56 (5), pp. 468-472 , May **2005**
- 6). An experimental investigation of electroactive polyurethane, Ilie Diaconu, Alina David and **Dana Dorohoi**, JOAM, 2005.
- 7). Determinarea compresibilitatii solutiilor binare din masuratori ale vitezei ultrasunetelor, Servillia Oancea, **Dana Dorohoi**, 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, **D.O. Dorohoi**, Acta Physica Slovaca, 55(6), p. 491-499, **2005**.

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