

## Listă de lucrări Conf. Dr. Daniela Susan-Resiga

### 1. Teza de doctorat

1. **Daniela Gheorghe (Susan-Resiga)**, *Comportarea reologică a fluidelor magnetice*, Universitatea de Vest din Timișoara, Facultatea de Chimie, Biologie, Geografie, 2001.

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- Ladislau Vékás, *Magnetic nanofluids properties and some applications*, Rom. Journ. Phys., 2004, **49** (9–10), pg. 707–721.

### 2. Cărți

1. **Daniela Susan–Resiga**, Liliana Lighezan, Paul Barvinschi, *Mecanica, oscilatii si unde elastice*, Editura Universității de Vest, Timișoara, 2014, 192 pagini. ISBN 978-973-125-427-2.

2. **Daniela Susan–Resiga**, Adriana Isvoran, Mădălin Bunoiu, *Fizică moleculară și căldură, Lucrări de laborator*, Editura Universității de Vest, Timișoara, 2010, 140 pagini. ISBN – 978-973-125-320-6.

3. **Daniela Susan–Resiga**, A. Chiriac, *Introducere în fizica lichidelor*, Editura Orizonturi Universitare, Timișoara, 146 pag., 2004. ISBN 973-638-099-8.

4. **Daniela Resiga**, L. Vékás, Doina Bica, Adrian Chiriac, *Comportarea reologică a fluidelor magnetizabile*, Editura Orizonturi Universitare, Timișoara, 184 pag., 2002. ISBN 973-8391-00-8.

### 3. Capitole de carte

1. Paul Barvinschi, **Daniela Resiga**, *Metode fizice de analiză folosite în artă și arheologie*, în **ArheoVest**, Nr. I: În Memoriam Liviu Măruia, Interdisciplinaritate în Arheologie și Istorie, Timișoara, 7 decembrie 2013, Vol. II, pag. 681-702, Editori: Andrei Stavilă, Dorel Micle, Adrian Cîntar, Cristian Floca, Sorin Forțiu, Editura: JATEPress Kiadó, Szeged, 2013, ISBN 978-963-315-152-5 (Köszses/general), ISBN 978-963-315-154-9 (Vol. II)

2. L.Vékás, Doina Bica, M. Rașa, Oana Bălău, I. Potencz, **Daniela Gheorghe (actual Susan-Resiga)**, *Magnetic Fluids - a special category of nanomaterials. Preparation and complex characterization methods*, în *Micro and nanostructures*, Editori: D. Dascălu,

Gh. Păun, E. Pincovschi, V. Țopa, V. Voicu, Editura Academiei Române, București, pag. 127-157 , 2001. ISBN: 973-27-0836-0.

#### 4. Articole publicate în reviste cotate ISI

1. **Daniela Susan-Resiga, L. Vékás**, *Ferrofluid-based magnetorheological fluids: tuning the properties by varying the composition at two hierarchical levels*, Rheol. Acta, vol 55 (7), 2016, pg. 581-595, Doi: 10.1007/s00397-016-0931-x (2016). Factor de impact: 2.184.

2. O. Marinică, **Daniela Susan-Resiga**, F. Bălănean, D. Vizman, V. Socoliuc, L. Vékás, *Nano-microcomposite magnetic fluids: Magnetic and magnetorheological evaluation for rotating seal and vibration damper applications*, Journal of Magnetism and Magnetic Materials, 406 (2016) 134–143. ISSN: 0304-8853. Factor de impact: 1.970.

3. Mircea Stefanescu, Simona Sorescu, **Daniela Susan-Resiga**, Oana Stefanescu, Gabriela Vlase, *Obtaining of NiO/SiO<sub>2</sub> by thermal decomposition of Ni(II) carboxylates formed within hybrid silica gels*, Journal of Thermal Analysis and Calorimetry, 2015, 121:135–144, Doi: 10.1007/s10973-015-4485-4. Factor de impact: 1.604.

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6. F.D. Stoian, S. Holotescu, A. Taculescu, O. Marinica, **D. Resiga**, M. Timko, P. Kopcansky, M. Rajnak, *Characteristic Properties of a Magnetic Nanofluid Used as Cooling and Insulating Medium in a Power Transformer*, Book Group Author(s): IEEE, Proc. of the 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Editura Printech, Bucuresti, ISSN 2068-7966, ISBN 978-1-4673, 2013, pg. 39 .

7. **Daniela Susan-Resiga**, Vlad Socoliuc, Tibor Boros; Tunde Borbáth; Oana Marinica; Adelina Han, Ladislau Vékás, *The Influence of Particle Clustering on the Rheological Properties of Highly Concentrated Magnetic Nanofluids*, Journal of Colloid & Interface Science, vol 373 (1), 2012, pg. 110–115. Factor de impact: 3.066. ISSN: 0021-9797, doi: 10.1016/j.jcis.2011.10.060.

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Semiconductor Conference, CAS 2002, 25<sup>th</sup> Edition, October 8-12, 2002, Sinaia, vol.1, 2002, pg.143 – 146. ISBN: 0-7803-7440-1. doi: 10.1109/SMICND.2002.1105820.

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## 5. Lucrări apărute în volumele unor conferințe naționale și internaționale

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2. Jana Tóthová, **Daniela Susan–Resiga**, L. Vékás, K. Paulovičová, M. Timko, P. Kopčanský, *Viscosity of magnetic nanoparticles in oleic suspensions*, Proceedings of the 17th Conference of Czech and Slovak Physicists, University of Žilina, Slovakia, September 5-8, 2011, pp. 117-118, ISBN–978-80-970625-4-5. (<http://sfs.sav.sk/17KSCF/uvod>).
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5. M. Lita, Adelina Han, **Daniela Susan–Resiga**, *Characterization of sedimentation and high magnetic field flow behavior of some magnetorheological fluids* (The

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  7. L. Vékás, Oana Marinică, **Daniela Susan–Resiga**, Floriana Stoian, Doina Bica, *Magnetic and flow properties of high magnetization nanofluids*, Scientific Bulletin of the „Politehnica” University of Timișoara, Transactions on Mechanics (Proceedings of the 6th International Conference on Hydraulic Machinery and Hydrodynamics, Timișoara, Romania, October 21-22), pg. 685-692, 2004, ISSN-1224-6077.
  8. Diana Broboană, **Daniela Susan–Resiga**, C. Bălan, *Experimental investigations and modeling of emulsions rheology in presence of additivated polymers*, Scientific Bulletin of the „Politehnica” University of Timișoara, Transactions on Mechanics (Proceedings of the 6th International Conference on Hydraulic Machinery and Hydrodynamics, Timișoara, Romania, October 21-22), pg. 447-452, 2004, ISSN-1224-6077.
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## 6. Lucrări publicate în reviste de specialitate din țară și străinătate

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2. L.E. Mirci, A. Pătruț, **Daniela Resiga**, *New sebacic complex ester base oils lubricants with biodegradability potential*, Tribologie und Schmierungstechnik, 61. Jahrgang, 2-2014, pp. 33-46.

3. Cecilia Savii, L. Almásy, Claudia Ionescu, Noémi Kinga Székely, Corina Enache, Mihaela Popovici, I. Sora, D. Nicoara, G.G. Savii, **Daniela Susan-Resiga**, J. Subrt, V. Štengl. *Mesoporous silica matrices derived from sol-gel process assisted by low power ultrasonic activation*, Processing and Application of Ceramics, 3 [1-2] , pp. 59-64, 2009. ISSN: 18206131.
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## 7. Comunicări la diverse manifestări științifice

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2. Barvinschi Paul, **Daniela Resiga**, *Metode fizice de analiză folosite în artă și arheologie*, Simpozion Arheovest – Interdisciplinaritate în arheologie și istorie, Timișoara, 7 Dec. 2013 (prezentare orală).
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