

## CSI Dr. Maria BERCEA

### TEZA DE DOCTORAT

#### "Aspecte termodinamice privind comportarea soluțiilor de polimeri cu mase moleculare foarte mari"

Conducător științific: **Acad. Bogdan C. Simionescu**

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### ACTIVITATE ȘTIINȚIFICĂ

#### Cărți și capitole în cărți

##### Cărți:

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##### Capitole in cărți:

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2. Morariu S. Teodorescu M., Bercea M. Chap. *Recent researches on PVA-clay nanocomposites for targeted applications*, in: **Smart Materials: Integrated Design, Engineering Approach, and Potential Applications**, Ed. Filimon A., CRC Press, Taylor & Francis (2017)
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(indexate de Web of Science)

Nr. crt.	Autori/Articol/Revista	F.I. (2015)
1.	<a href="#">Bercea M.</a> , Ioan C., Ioan S., Simionescu B.C., Simionescu C.I. <a href="#">Ultrahigh molecular weight polymers in dilute solutions</a> , <i>Progress in Polymer Science</i> , <b>24</b> , 379 – 424 (1999) DOI: 10.1016/S0079-6700(99)00007-6, ISSN: 0079-6700	27.184
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3.	<a href="#">Bercea M.</a> , Peiti C., Navard P., Simionescu B.C. <a href="#">Shear rheology of semidilute poly(methyl methacrylate) solutions</a> , <i>Macromolecules</i> , <b>26</b> , 7095 – 7096 (1993) ISSN: 0024-9297, DOI: 10.1021/ma00077a061	5.554
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5.	<a href="#">Bercea M.</a> , Eckelt J., Morariu S., Wolf B.A. <a href="#">Islands of immiscibility for solutions of compatible polymers in a common solvent: experiment and theory</a> , <i>Macromolecules</i> , <b>42</b> (10), 3620 – 3626 (2009) ISSN: 0024-9297, DOI: 10.1021/ma9002769	5.554
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7.	Nita L.E., Chiriac A.P., <a href="#">Bercea M.</a> , Diaconu A., Rusu A. G., Dumitriu R., Mititelu Tartau L., <a href="#">Functional 3D network based on conjugated hyaluronic acid with a copolymer containing pendant spiroacetal moieties for drug delivery systems</a> , <i>Carbohydrate Polymers</i> , submitted	4.129
8.	Nita L. E., Chiriac A. P., Rusu A. G., <a href="#">Bercea M.</a> , Diaconu A., Tudorachi N. <a href="#">Interpenetrating polymer network systems based on poly(dimethylaminoethyl methacrylate) and a copolymer containing pendant spiroacetal moieties</a> , <i>Materials Science &amp; Engineering C</i> , in press	4.164
9.	Nita L.E., Chiriac A., <a href="#">Bercea M.</a> <a href="#">Effect of pH and temperature upon self-assembling process between poly(aspartic acid) and Pluronic F127</a> , <i>Colloids and Surfaces B: Biointerfaces</i> , <b>119</b> , 47 – 54 (2014) ISSN: 0927-7765, DOI: 10.1016/j.colsurfb.2014.04.023	3.902
10.	Brunchi C.E., Morariu S., <a href="#">Bercea M.</a> <a href="#">Intrinsic viscosity and conformational parameters of xanthan in aqueous solutions</a> , <i>Colloids and Surfaces B: Biointerfaces</i> , <b>122</b> , 512 – 519 (2014) ISSN: 0927-7765, DOI: 10.1016/j.colsurfb.2014.07.023	3.902
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