

**LIST OF SCIENTIFIC AND PROFESSIONAL WORKS  
OF PROF. BRANKO BUGARSKI**

**Outstanding Book of international importance (M11) – TOTAL 1**

1. **Encapsulation in food processing and fermentation (2022).** Lević S, Nedović V & **Bugarški B.** (Editors), CRC Press Taylor&Francis Group, LLC, Boca Raton, USA, ISBN: 978-0-367-25831-3, 368 pages.

<https://www.routledge.com/Encapsulation-in-Food-Processing-and-Fermentation/Levic-Nedovic-Bugarški/p/book/9780367258313>

**Publication in book chapters rated, M13 – TOTAL 25**

1. **Bugarški, B.**, Obradovic, B., Nedovic, V.A., Poncelet, D. (2004) Immobilisation of cells and enzymes using electrostatic droplet generation. In: FOCUS ON BIOTECHNOLOGY, Volume 8a: Fundamentals of Cell Immobilisation Biotechnology, Eds.: V. Nedovic, R. Willaert, Kluwer Academic Publishers, Dordrecht, pp. 277-294.
2. Obradovic, B., Nedovic, V.A., **Bugarški, B.**, Willaert, R., Vunjak-Novakovic, G. (2004) Immobilised cell bioreactors. In: FOCUS ON BIOTECHNOLOGY, Volume 8a: Fundamentals of Cell Immobilisation Biotechnology, Eds.: V. Nedovic, R. Willaert, Kluwer Academic Publishers, Dordrecht, pp. 411-436.
3. Nedović, V., Willaert, R., Leskošek-Čukalović, I., Obradovic, B., **Bugarški, B.** (2005) Beer production using immobilised cells. In: FOCUS ON BIOTECHNOLOGY, Volume 8b: Applications of Cell Immobilisation Biotechnology, Eds.: V. Nedovic, R. Willaert, Springer, Dordrecht/Berlin/Heidelberg/New York, ISBN1-4020-3229-3; pp. 259-273.
4. **Bugarški, B.**, Obradovic, B., Nedovic, V., Goosen, M.F.A. (2006) Electrostatic droplet generation technique for cell immobilization. Chapter 31, In: Finely Dispersed Particles: Micro-, Nano-, and Ato-Engineering, Eds.: A.M. Spasic, J.-P. Hsu, CRC Press, Taylor & Francis Group, Boca Ration/London/New York, ISBN 1-57444-463-8; pp. 869-886.
5. Verbelen, P.J., Nedovic, V.A., Manojlovic, V., Delvaux, F.R., Laskošek-Cukalovic, I., **Bugarški, B.**, Willaert, R. (2010) Bioprocess Intensification of Beer Fermentation Using Immobilised Cells. In: Encapsulation Technologies for Active Food Ingredients and Food Processing, Eds.: N.J. Zuidam and V.A. Nedovic, Springer, New York/Dordrecht/Heidelberg/London, ISBN 978-1-4419-1007-3; pp. 303-325.
6. Manojlovic, V., **Bugarški, B.**, Nedovic, V. (2010) Immobilized cells. In: Encyclopedia of Industrial Biotechnology: Bioprocess, Bioseparation, and Cell Technology, Ed.: M.C. Flickinger, John Wiley & Sons, Inc., pp. 1-18.
7. Plavsic, M.B., Pajic-Lijakovic, I., **Bugarški, B.**, Budinski-Simendic, J., Nedovic, V., Putanov, P. (2010) Pseudo-Blend Model of Hydrogel Immobilized Living Cells. In: Contemporary Science of Polymeric Materials, Ed.: Lj. Korugic-Karasz, American Chemical Society (ACS) Book, Oxford-University Press, ISBN: 9780841226029; pp 215-229.

8. Nedović, V. A., Manojlović, V., **Bugarški, B.**, Willaert, R. (2011) State of the Art in Immobilized/Encapsulated Cell Technology in Fermentation Processes. In: Food Engineering Interfaces Food Engineering Series, Eds.: J.M. Aguilera, G.V. Barbosa-Canovas, R. Simpson, J. Welti-Chanes and D. Bermudez-Aguirre, Springer, New York/Heidelberg/ Dordrecht /London, ISBN 978-1-4419-7474-7; pp. 119-146.
9. Nedović, V., Kalušević, A., Manojlović, V., Petrović, T., **Bugarški, B.** (2013): Encapsulation Systems in the Food Industry. In: Advances in Food Process Engineering Research and Applications Food Engineering Series, Eds.: S. Yanniotis, P. Taoukis, N.G. Stoforos, V.T. Karathanos, Springer US, ISBN: 978-1-4614-7905-5, pp. 229-253
10. Manojlovic, V., **Bugarški, B.**, Nedovic, V. (2013) Immobilized Cells. Chapter 53, In: Upstream Industrial Biotechnology, Volume 2, Ed.: M.C. Flickinger, Hoboken: Wiley, 2013. ISBN: 978-1-118-61927-8 53/1-53/18, pp. 1179-1201.
11. Djordjević, V., Lević, S., Koupantsis, T., Mantzouridou, F., Paraskevopoulou, A., Nedović, V., **Bugarški, B.** (2015) Melt Dispersion Technique for Encapsulation. In: Handbook of Encapsulation & Controlled Release. Ed.: Munmaya, CRC Press, USA, pp.469-490, ISBN: 978-1-4822-3232-5
12. Milivojevic, M., Pajic-Lijakovic, I., Levic, S., Nedovic, V., **Bugarški, B.** (2015) Alginic Acid: Sources, Modifications and Main Applications. In: Alginic Acid - Chemical Structure, Uses and Health Benefits, Ed.: A. Moore, Nova Science Publishers, Inc., New York, ISBN: 978-1-63463-224-9, pp. 45-88.
13. Đorđević, V., Paraskevopoulou, A., Mantzouridou, F., Lalou, S., Savić, M., **Bugarški, B.**, Nedović, V. (2016) Encapsulation Technologies for Food Industry. In: Emerging and Traditional Technologies for safe Healthy and Quality Food. Food Engineering Series. Eds.: V. Nedović, P. Raspor, J. Lević, V. Tumbas Šaponjac, G.V. Barbosa-Cánovas, Springer, ISBN: 978-3-319-24040-4, pp.329-382
14. Isailović, B., Djordjević, V., Lević, S., Milanović, J., **Bugarški, B.**, Nedović, V. (2016) Encapsulation of flavours and aromas: Controlled release. In: Edible Films and Coatings: Fundamentals and Applications, Eds.: M.P. Montero, M.C. Gómez-Guillén, M.E. López-Caballero, G.V. Barbosa-Cánovas, CRC Press Taylor & Francis, ISBN: 978-1-48-221831-2, pp.317-344.
15. Đorđević, V., Belščak-Cvitanović, A., Drvenica, I., Komes, D., Nedović, V., **Bugarški, B.** (2016) Chapter 3: Nanoscale nutrient delivery systems. In: Nutrient delivery, Volume 5, Ed. A.M. Grumezescu, Elsevier, ISBN: 978-0-12-804304-2, pp. 87-139, DOI: 10.1016/B978-0-12-804304-2.00003-2
16. Trifković, K., Đorđević, V., Balanč, B., Kalušević, A., Lević, S., **Bugarški, B.**, Nedović, V. (2016) Chapter 9: Novel approaches in nanoencapsulation of aromas and flavors. In: Encapsulations, Volume 2, Ed.: A.M. Grumezescu. Elsevier, ISBN 978-0-12-804307-3, pp. 363-419, DOI: 10.1016/B978-0-12-804307-3.00009-0
17. Lević, S., Đorđević, V., Knežević-Jugović, Z., Kalušević, A., Milašinović, N., **Bugarški, B.**, Nedović, V. (2016) Encapsulation Technology of Enzymes and Applications in Food Processing. In: Microbial Enzyme Technology in Food Applications, Eds.: R.C. Ray,

C.M. Rosell, CRC Press, Taylor & Francis Group, Boca Raton, US, ISBN: 9781498749831, pp. 469-502

18. Nedović, V., **Bugarški, B.**, Mantzouridou, F., Paraskevopoulou, A., Naziri, E., Koupantsis, T., Trifković, K., Drvenica, I., Balanč, B., Đorđević, V. (2016) Recent advances and applications of encapsulated microbial and non-microbial active agents in the manufacture of food and beverages. In: *Advances in Food Biotechnology*, Ed. V. Ravishankar Rai. John Wiley & Sons Book, pp. 635-666, ISBN: 978-1-118-86455-5
19. Drvenica, I., Đorđević, V., Trifković, K., Balanč, B., Lević, S., **Bugarški, B.**, Nedović, V. (2017) Industry-Relevant Encapsulation Technologies for Food and Functional Food Production. In: *Thermal and Nonthermal Encapsulation Methods*, Ed.: M. Krokida, CRC Press/Taylor & Francis Group, ISBN: 9781138035430, eISBN: 9781138035430, pp. 225-266. DOI: [10.1201/9781315267883](https://doi.org/10.1201/9781315267883)
20. Nedović, V., Mantzouridou, F., Đorđević, V., Nenadis, N., **Bugarški, B.** (2017) Isolation, Purification and Encapsulation Techniques for Bioactive Compounds from Agricultural and Food Production Waste. In: *Utilisation of Bioactive Compounds from Agricultural and Food Production Waste*, Ed.: Q.V. Vuong, CRC Press, ISBN: 9781498741316, Ch. 6, 36 pages
21. Balanč, B.D., Trifković, K.T., Pravilović, R.N., Đorđević, V.B., Lević, S.M., **Bugarški, B.M.**, Nedović, V.A. (2018) Lipid nanocarriers for phytochemical delivery in foods. In: *Nanotechnology Applications in the Food Industry*, Eds.: V.R. Rai, J.A. Bai. CRC Press, ISBN 9781498784832.357-385, Ch. 16, 28 pages.
22. Čujčić Nikolić, N., Šavikin, K., Bigović, D., Trifković, K., Đorđević, V., **Bugarški, B.** (2019) Potential of encapsulated phytochemicals in hydrogel particles. In: *Nanomaterials for Drug Delivery and Therapy*, Ed.: A.M. Grumezescu, Elsevier, Amsterdam, Netherlands, ISBN: 978-0-12-816505-8, pp. 305-342, DOI: 10.1016/B978-0-12-816505-8.00009-6
23. Pajic-Lijakovic, I., Milivojevic, M., Levic, S., Trifkovic, K., Balač, B., Nedovic, V., Stevanovic-Dajic, Z., Radosevic, R., **Bugarški, B.** (2019) Matrix resistance stress reduction –prerequisite for achieving higher concentration of immobilized cells. In: *Materials for Biomedical Engineering: Bioactive Materials, Properties and Applications*, Eds.: A.M. Grumezescu, V. Grumezescu, Elsevier, ISBN: 9780128184318, pp. 281-306, DOI: 10.1016/B978-0-12-818431-8.00009-X
24. Lević, S., Đorđević, V., Kalušević, A., Đorđević, R., **Bugarški, B.**, Nedović, V. (2021) Immobilised yeast in winemaking. In: *Wine making: Basic and Applied Aspects*, Chapter 18, Eds.: V.K. Joshi, R.C. Ray, Taylor & Francis Group, pp. 468-494.
25. Milivojevic, M., Pajic-Lijakovic, I., **Bugarški, B.** (2022) Biological macromolecules in cell encapsulation. In: *Biological Macromolecules – Bioactivity and Biomedical Applications*, Eds.: A.K. Nayak, A.K. Dhara, D. Pal, Academic Press Elsevier, ISBN: 978-0-323-85759-8, pp. 491-527.

### **Publication in book chapters category rated, M14 – TOTAL 5**

1. Nedović, V., Leskošek-Čukalović, I., Bezbradica, D., Obradović, D., **Bugarški, B.** (2005) New porous matrices and procedures for yeast cell immobilisation for primary beer fermentation, In: Proc. of European Brewing Convention Congress, Chapter 48, Prague, Czech Republic, ISBN-10: 90-70143-23-2
2. **Bugarški, B.**, Levic, S., Manojlovic, V., Pajic, I., Plavsic, M., and Nedovic V. (2009) How far we arrived in upstream processing since 1989 and what one can expect in 20 years? In: BIA in biotehnologija na slovenski biotehnoloski poti, Ed.: P. Raspor, Ljubljana, Slovenia, ISBN: 978-961-6333-81-8; pp. 69-80.
3. Nedovic, V.A., Daenen, L., Manojlovic, V., Leskosek-Cukalovic, I., **Bugarški, B.**, Willaert, R. (2010) Cereal-based Alcoholic Beverages. In: Comprehensive Food Fermentation Biotechnology, Vol 2, Eds.: A. Pandey, C.R. Soccol, C. Larroche, E. Gnansounou, P.S. NeeNigam, C.G. Dussap, Asiatech Publishers, Inc., New Delhi, ISBN: 81-87680-23-7, pp. 392-443.
4. Manojlovic, V., **Bugarški, B.**, Nedovic, V. (2010) Bioreactors for Food Fermentation. In: Comprehensive Food Fermentation Biotechnology, Vol 1, Eds.: A. Pandey, C. Larroche, C.R. Soccol, E. Gnansounou and C.-G. Dussap, Asiatech Publishers, Inc., New Delhi, ISBN: 81-87680-22-9, pp. 229-285.
5. Pajic-Lijakovic, I., Plavsic, M., Nedovic, V., **Bugarški, B.** (2010) Ca-alginate hydrogel rheological changes caused by yeast cell growth dynamics. In: Microbiology Book Series – Number 2, Vol. 2, Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology, Ed.: A. Mendez-Vilas, Formatex, ISBN-13: 978-84-614-6195-0; pp. 1486-1493.

### **Leading publication rated, M21a – TOTAL 25**

#### **International leading journals within 10% from the impact list area (M21a)**

1. **B. Bugarški**, Q. Li, M.F.A. Goosen, D. Poncet, R.J. Neufeld, G. Vunjak, Electrostatic Droplet Generation: Mechanism of Polymer Droplet Formation, *AIChE Journal* 40(6) (1994) 1026-1031.
2. L. Sajc, B. Obradovic, D. Vukovic, **B. Bugarški**, D. Grubisic, G. Vunjak-Novakovic, Hydrodynamics and Mass Transfer in a Four-Phase External Loop Air Lift Bioreactor, *Biotechnology Progress* 11 (1995) 420-428.
3. D. Poncet, R.J. Neufeld, M.F.A. Goosen, **B. Bugarški**, V. Babak, Formation of Microgel Beads by Electric Dispersion of Polymer Solutions, *AIChE Journal* 45(9) (1999) 2018-2023.
4. M.M. Milivojevic, S. Pavlou, I.S. Pajic-Lijakovic, **B.M. Bugarški**, Dependence of slip velocity on operating parameters of air-lift bioreactors, *Chemical Engineering Journal* 132(1-3) (2007) 117-123.
5. I.S. Pajic-Lijakovic, D.S. Bugarški, M.B. Plavsic, **B.M. Bugarški**, Influence of microenvironmental conditions on hybridoma cell growth inside the alginate-poly-L-lysine microcapsule, *Process Biochemistry* 42(2) (2007) 167-174.

6. D.I. Bezbradica, B.M. Obradovic, I. Leskosek-Cukalovic, **B.M. Bugarski**, V.A. Nedovic, Immobilization of yeast cells in PVA particles for beer fermentation, *Process Biochemistry* 42(9) (2007) 1348-1351.
7. A. Belščak-Cvitanović, R. Stojanović, V. Manojlović, D. Komes, I. Juranović Cindrić, V. Nedović, **B. Bugarski**, Encapsulation of Polyphenolic Antioxidants From Medicinal Plant Extracts in Alginate–Chitosan System Enhanced With Ascorbic Acid by Electrostatic Extrusion, *Food Research International* 44(4) (2011) 1094–1101.
8. S.V. Seratlic, **B.M. Bugarski**, V.A. Nedovic, Z.T. Radulovic, L. Wadso, P. Dejmeck, F.G. Galindo, Behavior of the surviving population of *Lactobacillus plantarum* 564 upon the application of pulsed electric fields, *Innovative Food Science & Emerging Technologies* 17 (2013) 93-98.
9. B. Isailović, I. Kostić, A. Zvonar, V. Đorđević, M. Gašperlin, V. Nedović, **B. Bugarski**, Resveratrol loaded liposomes produced by different techniques. *Innovative Food Science and Emerging Technologies Elsevier* 19 (2013) 181-189.
10. T. Dapcevic-Hadnadjev, I.S. Pajic-Lijakovic, M.S. Hadnadjev, J.S. Mastilovic, A.M. Torbica, **B.M. Bugarski**, Influence of starch sodium octenyl succinate on rheological behaviour of wheat flour dough systems, *Food Hydrocolloids* 33(2) (2013) 376-383.
11. K. Trifkovic, N. Milasinovic, V. Djordjevic, M. Kalagasidis Krusic, Z. Knezevic Jugovic, V. Nedovic, **B. Bugarski**, Chitosan microbeads for encapsulation of thyme (*Thymus serpyllum* L.) polyphenols. *Carbohydrate Polymers* 111 (2014) 901-907.
12. A. Belščak-Cvitanović, V. Đorđević, S. Karlović, V. Pavlovic, D. Komes, D. Jezek, **B. Bugarski**, V. Nedovic, Protein-reinforced and chitosan-pectin coated alginate microparticles for delivery of flavan-3-ol antioxidants and caffeine from green tea extract. *Food hydrocolloids*, 51 (2015) 361-374.
13. S. Lević, I.P. Lijaković, V. Đorđević, V. Rac, V. Rakić, T.Š. Knudsen, V. Pavlović, **B. Bugarski**, V. Nedović, Characterization of sodium alginate/D-limonene emulsions and respective calcium alginate/D-limonene beads produced by electrostatic extrusion. *Food Hydrocolloids* 45 (2015) 111-123.
14. U.-J. Vajic, J.D. Grujic-Milanovic, J.C. Zivkovic, K.P. Savikin, D.M. Godjevac, Z.Z. Miloradovic, **B.M. Bugarski**, N.D. Mihailovic-Stanojevic, Optimization of extraction of stinging nettle leaf phenolic compounds using response surface methodology, *Industrial Crops and Products* 74 (2015) 912-917.
15. V. Đorđević, B. Balanč, A. Belščak-Cvitanović, S. Lević, K. Trifković, A. Kalušević, I. Kostić, D. Komes, **B. Bugarski**, V. Nedović, Trends in encapsulation technologies for delivery of food bioactive compounds. *Food Engineering Reviews*, 7 (2015) 452–490.
16. B. Balanč, K. Trifković, V. Đorđević, S. Marković, R. Pjanović, V. Nedović, **B. Bugarski**, Novel resveratrol delivery systems based on alginate-sucrose and alginate-chitosan microbeads containing liposomes. *Food Hydrocolloids* 61 (2016) 832–842,
17. N. Čujić, K. Trifković, **B. Bugarski**, S. Ibrić, D. Pljevljakušić, K. Šavikin, Chokeberry (*Aronia melanocarpa* L.) extract loaded in alginate and alginate/inulin system. *Industrial Crops and Products* 86 (2016) 120-131.

18. P. Petrović, J. Vunduk, A. Klaus, M. Kozarski, M. Nikšić, Ž. Žižak, Nebojša Vuković, Gavriilo Šekularac, Saša Drmanić, **Branko Bugarski**, Biological potential of puffballs: A comparative analysis. *Journal of Functional Foods* 21 (2016) 36-49.
19. E. Talón, K.T. Trifkovic, V.A. Nedovic, **B.M. Bugarski**, M. Vargas, A. Chiralt, C. González-Martínez, Antioxidant edible films based on chitosan and starch containing polyphenols from thyme extracts. *Carbohydrate Polymers* 157 (2017) 1153-1161.
20. M.B. Elmalimadi, J.R. Jovanović, A.B. Stefanović, S.J. Tanasković, S.B. Djurović, **B.M. Bugarski**, Z.D. Knežević-Jugović, Controlled enzymatic hydrolysis for improved exploitation of the antioxidant potential of wheat gluten. *Industrial Crops and Products* 109(15) (2017) 548-557.
21. D. Trivanović, I. Drvenica, T. Kukulj, H. Obradović, I. Okić-Djordjević, S. Mojsilović, J. Krstić, **B. Bugarski**, A. Jauković, D. Bugarski, Adipoinductive effect of extracellular matrix involves cytoskeleton changes and SIRT1 activity in adipose tissue stem/stromal cells. *Artificial Cells Nanomedicine and Biotechnology* 46, (2018) S370-S382.
22. M. Volić, I. Pajić-Lijaković, V. Đorđević, Z. Knežević-Jugović, I. Pećinar, Z. Stevanović-Dajić, Đ. Veljović, M. Hadnadjev, **B. Bugarski**, Alginate/soy protein system for essential oil encapsulation with intestinal delivery. *Carbohydrate Polymers* 200 (2018) 15-24.
23. U.-J. Vajic, J. Grujic-Milanovic, Z. Miloradovic, Dj. Jovovic, M. Ivanov, D. Karanovic, K. Savikin, **B. Bugarski**, N. Mihailovic-Stanojevic, *Urtica dioica* L. leaf extract modulates blood pressure and oxidative stress inspontaneously hypertensive rats. *Phytomedicine* 46 (2018) 39-45.
24. A.Z. Stančić, I.T. Drvenica, H.N. Obradović, **B.M. Bugarski**, V.Lj. Ilić, D.S. Bugarski, Native bovine hemoglobin reduces differentiation capacity of mesenchymal stromal cells in vitro. *International Journal of Biological Macromolecules* 144 (2020) 909-920.
25. Bošković S., **Bugarski B.** Two-phase electro-magneto-fluid dynamics model and its computational fluid dynamics implementation. *Physics of Fluids* 36, 022019 (2024), <https://doi.org/10.1063/5.0190651>.

#### **International leading journals rated as M21 TOTAL 49**

1. D. Poncelet, V.G. Babak, R.J. Neufeld, M.F.A. Goosen, **B. Bugarski**, Theory of electrostatic dispersion of polymer solutions in the production of microgel beads containing biocatalyst, *Advances in Colloid and Interface Science* 79(2-3) (1999) 213-228.
2. V. Nedović, B. Obradović, I. Leskošek-Čukalović, O. Trifunović, R. Pešić, **B. Bugarski**, Electrostatic generation of alginate microbeads loaded with brewing yeast, *Process Biochemistry*, 37(1) (2001) 17-22.
3. V.A. Nedović, B. Obradović, D. Poncelet, M.F.A. Goosen, I. Leskošek-Čukalović, **B. Bugarski**, Cell immobilisation by electrostatic droplet generation, *Landbauforschung Volkenrode SH* 241 (2002) 11-17.

4. Z.D. Knezevic, G. Kukic, M. Vukovic, **B.M. Bugarski**, B.M. Obradovic, Operating regime of a biphasic oil/aqueous hollow-fibre reactor with immobilized lipase for oil hydrolysis, *Process Biochemistry* 39(11) (2004) 1377-1385.
5. V. Manojlovic, J. Djonlagic, B. Obradovic, V. Nedovic, **B. Bugarski**, Investigations of cell immobilization in alginate: rheological and electrostatic extrusion studies, *Journal of Chemical Technology and Biotechnology* 81 (2006) 505-510.
6. I. Pajic-Lijakovic, M. Plavsic, V. Nedovic, **B. Bugarski**, Investigation of Ca-alginate hydrogel rheological behaviour in conjunction with immobilized yeast cell growth dynamics, *J. Microencapsulation* 24(5) (2007) 420-429.
7. I. Pajic-Lijakovic, M. Plavsic, **B. Bugarski**, V. Nedovic, Ca-alginate hydrogel mechanical transformations — The influence on yeast cell growth dynamics, *J. Biotechnology* 129(3) (2007) 446-452.
8. V. Manojlović, N. Rajić, J. Đonlagić, V. Nedović, **B. Bugarski**, Application of electrostatic extrusion - flavour encapsulation and controlled release, *Sensors* 8 (2008) 1488-1496.
9. J.J. Stojkovska, **B.M. Bugarski**, B.M. Obradovic, Evaluation of alginate hydrogels under in vivo-like bioreactor conditions for cartilage tissue engineering, *Journal of Materials Science-Materials in Medicine* 21(10) (2010) 2869-2879.
10. R.V. Pjanovic, N.M. Boskovic-Vragolovic, J. Veljkovic-Giga, R.V. Garic-Grulovic, S. Pejanovic, **B.M. Bugarski**, Diffusion of drugs from hydrogels and liposomes as drug carriers, *Journal of Chemical Technology and Biotechnology* 85(5) (2010) 693-698.
11. J. Milanovic, V. Manojlovic, S. Levic, N. Rajic, V. Nedovic, **B. Bugarski**, Microencapsulation of Flavors in Carnauba Wax, *Sensors* 10(1) (2010) 901-912.
12. R. Stojanović, A. Belščak-Cvitanović, V. Manojlović, D. Komes, V. Nedović, **B. Bugarski**, Encapsulation of thyme (*Thymus serpyllum* L.) aqueous extract in calcium alginate beads, *Journal of the Science of Food and Agriculture*, 92(3) (2012) 685-696.
13. M.M. Milivojevic, S. Pavlou, **B.M. Bugarski**, Liquid velocity in a high-solids-loading three-phase external-loop airlift reactor, *Journal of Chemical Technology and Biotechnology* 87(11) (2012) 1529-1540.
14. D.R. Stojakovic, **B.M. Bugarski**, N.Z. Rajic, A kinetic study of the release of vanillin encapsulated in Carnauba wax microcapsules, *Journal of Food Engineering* 109(3) (2012) 640-642.
15. S. Petrusic, P.M. Jovancic, M. Lewandowski, S. Giraud, S.D. Grujic, S.B. Ostojic, **B.M. Bugarski**, V. Koncar, Properties and drug release profile of poly(N-isopropylacrylamide) microgels functionalized with maleic anhydride and alginate, *Journal of Materials Science* 48(22) (2013) 7935-7948.
16. S. Lalou, F. Mantzouridou, A. Paraskevopoulou, **B. Bugarski**, S. Levic, V. Nedovic, Bioflavour production from orange peel hydrolysate using immobilized *Saccharomyces cerevisiae*. *Applied Microbiology and Biotechnology* 97 (2013) 9397-9407.
17. I. Kostic, V. Ilic, B. Djordjevic, K. Bukara, S. Mojsilovic, V. Nedovic, D. Bugarski, Dj. Veljovic, D. Misic, **B. Bugarski**, Erythrocyte membranes from slaughterhouse blood as

- potential drug vehicles: Isolation by gradual hypotonic hemolysis and biochemical and morphological characterization. *Colloids and Surfaces B-Biointerfaces* 122 (2014) 250-259.
18. K. Istenic, B.D. Balanc, V.B. Djordjevic, M. Bele, V.A. Nedovic, **B.M. Bugarski**, N. Poklar-Ulrih, Encapsulation of resveratrol into Ca-alginate submicron particles. *Journal of Food Engineering* 167 (2015) 196-203.
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