

LISTA LUCRĂRILOR DE SPECIALITATE

I. Articole/studii științifice

1. M. Brașoveanu, E. Koleva, K. Vutova, L. Koleva, **M.R. Nemțanu**, Optimization Aspects on Modification of Starch Using Electron Beam Irradiation for the Synthesis of Water-Soluble Copolymers, *Romanian Journal of Physics*, 2016 (acceptata)
2. **M.R. Nemțanu**, M. Brașoveanu, Degradation of Amylose by Ionizing Radiation Processing, *Starch/Starke*, 2016, DOI: 10.1002/star.201600027 (acceptata)
3. **M.R. Nemțanu**, M. Brașoveanu, Impact of Electron Beam Irradiation on Quality of Sea Buckthorn (*Hippophae rhamnoides* L.) Oil, *Journal of the Science of Food and Agriculture*, Vol. 96, Iss. 5, 1736-1744, 2016
4. M. Brașoveanu, **M.R. Nemțanu**, C. Surdu-Bob, G. Karaca, Î. Erper, Effect of Glow Discharge Plasma on Germination and Fungal Load of Some Cereal Seeds, *Romanian Reports in Physics*, Vol. 67, No. 2, 2015
5. **M.R. Nemțanu**, M. Brașoveanu, N. Iacob, *Preparation of Metallic Nanoparticles by Irradiation in Starch Aqueous Solution*, AIP Conference Proceedings 1634, 180-185, 2014
6. **M.R. Nemțanu**, M. Brașoveanu, G. Karaca, I. Erper, Inactivation effect of electron beam irradiation on fungal load of naturally contaminated maize seeds, *Journal of the Science of Food and Agriculture*, Vol. 94, Iss. 13, 2668-2673, 2014
7. M. Brașoveanu, **M.R. Nemțanu**, Behaviour of starch exposed to microwave radiation treatment, *Starch/Starke*, Vol. 66, Nos. 1-2, 3-14, 2014
8. M. Brașoveanu, **M.R. Nemțanu**, D. Duță, Electron-Beam Processed Corn Starch: Evaluation of Physicochemical and Structural Properties and Technical-Economic Aspects of The Processing, *Brazilian Journal of Chemical Engineering*, Vol. 30, No. 4, 847-856, 2013
9. M. Brașoveanu, G. Crăciun, E. Mănăilă, D. Ighigeanu, **M.R. Nemțanu**, M.N. Grecu, Evolution of the Levels of Free Radicals Generated on Wheat Flour and Wheat Bran by Electron Beam, *Cereal Chemistry*, Vol. 90, Iss. 5, 469-473, 2013
10. M. Brașoveanu, **M.R. Nemțanu**, Influence of Accelerated Electron Beam and Storage Time on the Antioxidant Activity of *Hippophae Rhamnoides*, *Journal of Medicine Research and Development (JMRD)*, Vol. 2, Iss. 2, 28-34, 2013
11. **Monica R. Nemțanu**, Mirela Brasoveanu, Radio-sensitivity of some Starches Treated with Accelerated Electron Beam, *Starch/Starke*, Vol. 64, 435-440, 2012
12. M. Oane, **M. Nemțanu**, C. Oproiu, The General Model of the Thermal Field Distributions in Solids under Multiple Laser Beam Irradiation, *Lasers in Engineering*, Vol. 21, Nos. 3-4, 129-134, 2011
13. **M. Nemțanu**, G. Craciun, E. Manaila, M. Oane, M. Brasoveanu, C. Oproiu, D. Martin and D. Ighigeanu, One and Two-Temperature Models in Solids Under Laser Pulse Irradiation Which Effectively Present as Two-Photon Absorption Coefficient Anisotropy, *Lasers in Engineering*, Vol. 22, Nos. 1-2, 13-23, 2011
14. Siliane B. Kalkasliel-Souza, Irene S. Kikuchi, Ronaldo D. Mansano, Adir J. Moreira, **Monica R. Nemțanu**, Terezinha J.A. Pinto, Microbial Decontamination Study of Some Medicinal Plants by Plasma Treatment, *Latin American Journal of Pharmacy* 29 (2), 293-297, 2010

15. **Monica R. Nemțanu**, Mirela Brașoveanu, Horia Iovu, Degradation Rate of Some Electron Beam Irradiated Starches, *U.P.B. Sci. Bull., Series B*, Vol. 72, Iss. 2, 69-74, 2010
16. M. Oane, C. Oproiu and **M. Nemțanu**, The Fourier Heat Equation Applied to Beam-Water Phantom Interaction, *Lasers in Engineering*, Vol. 20, Nos. 5-6, 311-317, 2010
17. **M.R. Nemțanu**, M. Brasoveanu, Aspects regarding the Rheological Behavior of Wheat Starch Treated with Accelerated Electron Beam, *Romanian Journal of Physics*, Vol. 55, Nos. 1-2, 111-117, 2010
18. **M.R. Nemțanu**, R. Minea, E. Mazilu, S. Setnic, E. Mitru, C. Balotescu, M. Bucur, C. Oproiu, G. Mihăescu, L.M. Dițu, Effects of Ionizing Radiation on the Antioxidant and Antimicrobial Activities of Sea Buckthorn Oil, *Acta Horticulturae (ISHS)* 826, 255-260, 2009
19. S.B. Kalkasliel-Souza, I.S. Kikuchi, R.D. Mansano, A.J. Moreira, **M.R. Nemțanu**, T.J.A. Pinto, Microbial Decontamination Study of Some Medicinal Plants by Plasma Treatment, *Acta Horticulturae (ISHS)* 826, 205-212, 2009
20. **Monica R. Nemțanu**, Mirela Brașoveanu, Diana Martin, Elena Mănăilă, Horia Iovu, Adrian Dinescu, Physicochemical and structural characterization of corn starch modified by combined electron beam with microwave treatment, *Materiale plastice* 46, Nr. 4, 413-418, 2009
21. F. Mihai, V. Tripadus, **M.R. Nemțanu** and D.C. Negut, Modifications of Viscoelastic Properties of Polysaccharides by Gamma Irradiation, *Arab Journal of Nuclear Sciences and Applications* 42, 261-266, 2009
22. C. Oproiu, D. Toader, **M. R. Nemțanu**, R. Popa, The use of cellulose acetate for determining the dose distribution in electron beam, *Romanian Journal of Physics*, Vol. 54, Nos. 9-10, 861-867, 2009
23. **Monica R. Nemțanu**, C. Oproiu, Mirela Brasoveanu, M. Oane, Characterization of the Electron Beam Radiation Field by Chemical Dosimetry, *Romanian Journal of Physics*, Vol. 54, Nos. 7-8, 613-617, 2009
24. **Monica R. Nemțanu**, Mirela Brasoveanu, Viorica Meltzer, Elena Pincu, Constantin Oproiu, Thermal Analysis of Some Phytotherapeutic Products Irradiated with Electron Beam, *Journal of Thermal Analysis and Calorimetry* 97, Issue 1 (July 2009), 309-313, 2009
25. **Monica R. Nemțanu**, Mirela Brașoveanu, Effects of Electron Beam Irradiation on Aqueous Solution of Corn Starch, *Buletinul Institutului Politehnic din Iasi*, Tomul LV (LIX), Fasc. 1, sectia Matematica. Mecanica teoretica. Fizica, 129-136, 2009
26. Maria Spătaru, Christu Țârdei, **Monica R. Nemțanu** and Florentina Bogdan, Rheology of Tricalcium Phosphate (β -TCP) Suspensions, *Revue Roumaine de Chimie* 53(10), 955-959, 2008
27. **Monica R. Nemțanu**, Irene Satiko Kikuchi, Terezinha de Jesus Andreoli Pinto, Elena Mazilu, Silvia Setnic, Marcela Bucur, Octavian G. Dului, Viorica Meltzer, Elena Pincu, Electron Beam Irradiation of *Matricaria chamomilla* L. for Microbial Decontamination, *Nuclear Instruments and Methods in Physics Research B* 266, Issue 10 (May 2008), 2520-2523, 2008
28. R. Minea, **M.R. Nemțanu**, M.I. Popescu, Spectrocolorimetric study of the irradiation dose effect on the color properties of *Spirulina platensis* powder, *Romanian Journal of Physics*, Vol. 53, Nos. 7-8, 881-884, 2008
29. **M.R. Nemțanu**, Influence of the electron beam irradiation on the colorimetric attributes of starches, *Romanian Journal of Physics*, Vol. 53, Nos. 7-8, 873-879, 2008
30. **Monica R. Nemțanu**, Mirela Brașoveanu, Elena Mazilu, Nora Rădulescu, Effect of Ionising Radiations on the Antioxidant Activity of *Spirulina Platensis*, *Buletinul Institutului Politehnic din Iasi*, Tomul LVII (LVII), Fasc. 2, sectia Matematica. Mecanica teoretica. Fizica, 137-142, 2008
31. **Monica R. Nemțanu**, Mircea Ioan Popescu, Preliminary Results Concerning the Electrical Discharge Treatment of Cellulose, *Buletinul Institutului Politehnic din Iasi*, Tomul LVII (LVII), Fasc. 2, sectia Matematica. Mecanica teoretica. Fizica, 103-107, 2008
32. **M. R. Nemțanu**, R. Minea, K. Kahraman, H. Koxsel, P.K.W. Ng, M.I. Popescu, E. Mitru, Electron Beam Technology for Modifying the Functional Properties of Maize Starch, *Nuclear Instruments and Methods in Physics Research A* 580, Issue 1 (September 21), 795-798, 2007
33. R. Minea, **M. R. Nemțanu**, S. Manea, E. Mazilu, Use of Electron Beam Irradiation to Improve the Microbiological Safety of *Hippophae Rhamnoides*, *Nuclear Instruments and Methods in Physics Research A* 580, Issue 1 (September 21), 792-794, 2007

34. R. Minea, **M.R. Nemțanu**, S. Manea, E. Mazilu, E-Beam Treated Sea Buckthorn (*Hippophae Rhamnoides*) Oil: Antioxidant Activity, Polyphenol and Carotenoid Contents, *Romanian Biological Sciences*, vol. V, no. 1-2, 78-80, 2007
35. S. Manea, E. Mazilu, S. Setnic, F.L. Botez, C. Ristea, M. Brasoveanu, **M. Nemțanu**, The effects of ionising radiation on the biological active compounds in *Hippophae Rhamnoides* fruits, and on their antioxidant activity, *Revista de Chimie* 58, Nr. 8, 844-847, 2007
36. **M.R. Nemțanu**, R. Minea, Functional Properties of Corn Starch Treated with Corona Electrical Discharges, *Macromolecular Symposia*, Volume 245-246, Issue 1, 525-528, December 2006
37. B. Constantinescu, R. Bugoi, **M. Nemțanu**, P. Ioan, Studies on proton irradiation-induced modifications of KU1 quartz glass ultraviolet transmission properties, *Nuclear Instruments and Methods in Physics Research A* 562, Issue 2, 692-694, 2006
38. R. Minea, **M.R. Nemțanu**, Ecaterina Mitru, Preliminary Results Regarding the Processing of Sea Buckthorn by Electron Beam Irradiation, *Elektrotehnica & Elektronica* 5-6, 227-229, 2006
39. **M.R. Nemțanu**, R. Minea, Ecaterina Mitru, Application of Accelerated Electron Beams for Modifying Corn Starch, *Elektrotehnica & Elektronica* 5-6, 224-226, 2006
40. **M.R. Nemțanu**, M. Brasoveanu, E. Mazilu, N. Radulescu, Influence of the Ionizing Radiation on the Antioxidant Characteristics of the Sea Buckthorn, *Analele Universitatii de Vest din Timisoara*, seria Fizica, vol. 49, 119-122, 2006
41. **M.R. Nemțanu**, Rheological Behaviour of Some Starches Treated With Electron Beams, *Analele Universitatii de Vest din Timisoara*, seria Fizica, vol. 49, 114-118, 2006
42. **M.R. Nemțanu**, M. Brașoveanu, R. Minea, M.N. Grecu, M. Albușescu, E. Mitru, Microbiological Decontamination of *Spirulina Platensis* and Green Coffee Using Accelerated Electron Beams, *Romanian Journal of Biophysics*, Vol. 16, No. 2, 141-148, 2006
43. M. Brasoveanu, M.N. Grecu, **M.R. Nemțanu**, Electron Paramagnetic Resonance Study on Irradiated Green Coffee, *Romanian Journal of Physics*, Vol. 51, Nos. 1-2, 135-137, 2006
44. R. Minea, M. Brasoveanu, M.N. Grecu, **M.R. Nemțanu**, Preliminary Studies on Irradiated *Spirulina*, *Romanian Journal of Physics*, Vol. 51, Nos. 1-2, 131-134, 2006
45. **M.R. Nemțanu**, M. Brasoveanu, M.N. Grecu, R. Minea, Green Coffee Decontamination by Electron Beam Irradiation, *Nuclear Instruments and Methods in Physics Research B* 240, Issues 1-2, 87-90, 2005
46. M. Brasoveanu, **M. Nemțanu**, R. Minea, M.N. Grecu, E. Mazilu, N. Radulescu, Electron beam irradiation for biological decontamination of *Spirulina Platensis*, *Nuclear Instruments and Methods in Physics Research B* 240, Issues 1-2, 83-86, 2005
47. D.I. Martin, I. Margaritescu, E. Cirstea, I. Togoe, D. Ighigeanu, **M.R. Nemțanu**, C. Oproiu and N. Iacob, Application of accelerated electron beam and microwave irradiation to biological waste treatment, *Vacuum*, Volume 77, Issue 4, 501-506, 2005
48. D. Martin, E. Cirstea, D. Ighigeanu, G. Craciun, C. Oproiu, H. Iovu, Gh. Marin, N. Iacob and **M. Nemțanu**, Polyelectrolytes derived from electron beam-induced polymerization, *Vacuum*, Volume 77, Issue 4, 475-484, 2005
49. **M.R. Nemțanu**, M. Brasoveanu, R. Minea, M.N. Grecu, M. Albușescu, Modification of the Biological and Physicochemical Properties of Irradiated *Spirulina Platensis*, *Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti din Iasi*, Vol. 109, supliment nr. 1, 141-142, 2005
50. M. Brasoveanu, **M.R. Nemțanu**, M.N. Grecu, E. Mitru, Microbial Decontamination of Coffee Using Accelerated Electron Beams, *Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti din Iasi*, Vol. 109, supliment nr. 1, 140-141, 2005
51. **M.R. Nemțanu**, A. Tirlea, M. Brasoveanu, Physical Methods for Irradiated Food Identification, *Journal of Environmental Protection and Ecology*, Vol. 5, No. 4, 922-925, 2004
52. M.M. Brasoveanu, M.N. Grecu, **M.R. Nemțanu**, A. Tirlea, R. Minea, Irradiated Dried Fruits Identification, *Journal of Environmental Protection and Ecology*, Vol. 5, No. 4, 917-921, 2004

53. A. Tirlea, **M.R. Nemțanu**, M.M. Brasoveanu, Rheological Method for the Detection of Irradiated Spices, *Journal of Environmental Protection and Ecology*, Vol. 5, No. 3, 534-539, 2004
54. D.I. Martin, I. Margaritescu, **M.R. Nemțanu**, I. Togoe, C. Oproiu, D. Ighigeanu, E. Mateescu, G. Craciun, N. Iacob, Application of Accelerated Electron Beam and Microwave Irradiation to Biological Decontamination of Foods, Medical Objects and WasteWaters, *Journal of Environmental Protection and Ecology*, Vol. 5, No. 4, 898-911, 2004
55. S. Manea, V. Tamas, E. Mazilu, C. Tanase, S. Setnic, D. Enulescu, N. Rădulescu, M.M. Brașoveanu, **M.R. Nemțanu**, R. Minea, The Effects of Ionising Radiation on the Main Free Radical Scavengers in *Spirulina Plantensis*, *Revista de Chimie* 55, Nr. 11, 914-915, 2004
56. R. Minea, S. Manea, E. Mazilu, M. Brasoveanu, **M. Nemțanu**, V. Tamas, N. Radulescu, Preliminary Studies on the Microbial Decontamination of Some Medicinal Herbs by Irradiation, *Analele Universitatii de Vest din Timisoara*, seria Stiinte Fizice, vol. 44, 168-170, 2003
57. M. Brasoveanu, **M.R. Nemțanu**, V.V. Grecu, R. Minea, Studies on Irradiated Coffee Identification by Electron Paramagnetic Resonance, *Analele Universitatii de Vest din Timisoara*, seria Stiinte Fizice, vol. 44, 164-167, 2003
58. M.M. Brasoveanu, V.V. Grecu, **M.R. Nemțanu**, R. Minea, Limits in EPR Dosimetry for Irradiated Dried Fruits Discrimination, *Romanian Journal of Physics*, Vol. 48, Nos. 1-4, 289-293, 2003

II. Cărți, monografii, capitole de cărți

1. M. Brașoveanu, **M. R. Nemțanu**, *Natural polymers used as matrices for metallic nanoparticle synthesis by ionizing irradiation*, în “*Polymer science: research advances, practical applications and educational aspects*”, (eds. A. Méndez-Vilas, A. Solano-Martín), 2016 (acceptat)
2. **M. R. Nemțanu**, M. Brașoveanu, *Ionizing irradiation grafting of natural polymers having applications in wastewater treatment*, în “*Polymer science: research advances, practical applications and educational aspects*”, (eds. A. Méndez-Vilas, A. Solano-Martín), 2016 (acceptat)
3. **Monica R. Nemțanu** and Mirela Brașoveanu (eds.), “*Practical Aspects and Applications of Electron Beam Irradiation*”, 254 pagini, ISBN 978-81-7895-541-4, Research Signpost/Transworld Research Network, India, 2011
4. C. Oproiu, **M.R. Nemțanu**, M. Brașoveanu, M. Oane, Chapter 2: *Determination of Absorbed Dose Distribution in Technological Accelerated Electron Beam Treatments*, pp 17-41 in “*Practical Aspects and Applications of Electron Beam Irradiation*” (eds. M.R. Nemțanu, M. Brașoveanu), ISBN 978-81-7895-541-4, Research Signpost/Transworld Research Network, India, 2011
5. **Monica R. Nemțanu** and Mirela Brașoveanu, Chapter 14: *Irradiation as a Method to Assure Food Quality and Safety*, pp 459-467 în “*Food Quality: Control, Analysis and Consumer Concerns*” (eds. Daniel A. Medina, Amanda M. Laine), ISBN 978-1-61122-917-2, Nova Science Publishers, Inc., New York, 2011
6. **Monica R. Nemțanu**, Mirela Brașoveanu, Chapter 17: *Functional Properties of Some Non-conventional Treated Starches*, pp 319-344 în “*Biopolymers*” (ed. Magdy Eknashar), ISBN 978-953-307-109-1, Scyio, Rijeka, Croatia, 2010
7. **Monica R. Nemțanu**, Mirela Brașoveanu, Chapter 5: *Electron Beam Treatment as a Non-conventional Preservation Method of Nutritional Supplements based on Vegetal Materials*, pp 169-192 în “*Food Science Research and Technology*” (eds. Isaak Hulsen, Egon Ohnesorge), ISBN 978-1-60741-848-1, Nova Science Publishers, Inc., New York, 2009
8. T.J.A. Pinto, J.M.F. Silva, I.S. Kikuchi and **M.R. Nemțanu**, Expert Commentary A: *Alterations in Herbs Submitted to Radiation Decontamination*, pp 1-9 în “*Radiation Physics Research Progress*” (ed. Aidan N. Camilleri), ISBN 978-1-60021-988-7, Nova Science Publishers, Inc., New York, 2008

III. Studii publicate în volumele unor manifestări științifice internaționale și naționale recunoscute

1. G. Craciun, D. Martin, E. Manaila, **M. Nemțanu**, M. Brasoveanu, D. Ighigeanu, *Biodegradable Polyelectrolytes Obtained by Radiation Polymerization*, Proceedings of the 7th Conference on Nuclear and Particle Physics (NUPPAC'09), Sharm El-Sheikh, Egypt, 615-626, 11-15 November 2009
2. **Monica R. Nemțanu**, R. Minea, S. Manea, Nora Radulescu, Elena Mazilu, *Behaviour of the Biological Compounds and Antioxidant Activity of Spirulina Platensis Treated with Accelerated Electron Beams*, Proceedings of 5th International Congress on Food Technology, Thessaloniki, Greece, ISBN: 978-960-88557-3-1, vol. 2, 307-311, 9-11 March 2007
3. R. Minea, **Monica R. Nemțanu**, Ecaterina Mitru, Nora Radulescu, *Effect of the Accelerated Electron Beams on the Main Free Radical Scavengers in Sea Buckthorn Powder*, Proceedings of 5th International Congress on Food Technology, Thessaloniki, Greece, ISBN: 978-960-88557-3-1, vol. 2, 304-307, 9-11 March 2007
4. Minea R., **Nemțanu R.M.**, Mitru E., Manea Ș., Rădulescu N., Mazilu E., Albulescu M., *The Influence of Electron Beams on the Sea Buckthorn Berries*, 4th Conference on Medicinal and Aromatic Plants of Southeast European Countries (CMAPEEC) – Proceedings, Iasi, Romania, ISBN 973-8392-32-2, 165-167, 28th-31st May 2006
5. Minea R., Manea Ș., **Nemțanu R.M.**, Mazilu E., Rădulescu N., *Electron Beam Treatment of Spirulina Platensis for Ensuring the Microbial Safety*, 4th Conference on Medicinal and Aromatic Plants of Southeast European Countries (CMAPEEC) – Proceedings, Iasi, Romania, ISBN 973-8392-32-2, 161-164, 28th-31st May 2006
6. **M.R. Nemțanu**, M. Brasoveanu, R. Minea, Studies on the Rheological and Functional Properties of Corn Starch Treated with Accelerated Electron Beams and Electrical Discharges, Proceedings of the 4th International Symposium on Food Rheology and Structure (ISFRS 2006), Zurich, Switzerland, ISBN 3-905609-25-8, 637-638, February 19-23, 2006
7. M. Magureanu, N.B. Mandache, **M. Nemțanu**, C. Preda, V.I. Parvulescu, Degradation of organic dyes in water by corona discharges, Proceedings 2nd International Workshop on Cold Atmospheric Pressure Plasmas: Sources and Applications (CAPPSSA 2005), 102-105, Bruges, Belgium, 2005
8. M. Brasoveanu, **M.R. Nemțanu** and R. Minea, *Investigation of Biological and Physicochemical Properties of Irradiated Spirulina Platensis*, Proceedings of Euro Food Chem XIII, Hamburg, Germany, vol. 2, 623-625, September 21-23, 2005
9. **M.R. Nemțanu**, M. Brasoveanu, and R. Minea, *Studies on Modified Starches by Irradiation*, Proceedings of Euro Food Chem XIII, Hamburg, Germany, vol. 1, 97-101, September 21-23, 2005
10. N. Georgescu, R. Minea, M. Brasoveanu, **M. Nemțanu**, *Experiments with repetitive pulsed atmospheric pressure plasmas, for air/water pollution control*, XXVII International Conference on Phenomena in Ionized Gases (ICPIG 2005) – Proceedings, Eindhoven, The Netherlands, July 18-22, 2005
11. R. Minea, **M.R. Nemțanu**, M. Brasoveanu, C. Oproiu, E. Mazilu, N. Radulescu, *Accelerators Use for Irradiation of Fresh Medicinal Herbs*, Proceedings of 9th European Particle Accelerator Conference (EPAC'04) – CD-ROM, Lucerne, Switzerland, 2368-2370, 5-9 July, 2004
12. D. Martin, D. Ighigeanu, C. Oproiu, E. Cirstea, **M.R. Nemțanu**, H. Iovu, I. Calinescu, N. Iacob, *Efficient Effects of Combined Electron Beam and Microwave Irradiation on Microorganisms Inactivation*, Proceedings of the 5th General Conference of the Balkan Physical Union (BPU-5), ISBN 86-902537-4-2, Vrnjacka Banja, Serbia and Montenegro, 1673-1676, August 25-29, 2003
13. D. Martin, E. Cirstea, D. Ighigeanu, G. Craciun, C. Oproiu, H. Iovu, Gh. Marin, N. Iacob, **M.R. Nemțanu**, *Polyelectrolytes Obtained by Electron Beam Technology*, Proceedings of the 7th International Conference on Electron Beam Technologies (EBT'2003), Varna, Bulgaria, 432-438, 1-6 June 2003
14. D.I. Martin, I. Margaritescu, **M.R. Nemțanu**, I. Togoe, C. Oproiu, D. Ighigeanu, E. Mateescu, G. Craciun, N. Iacob, *Application of Accelerated Electron Beam and Microwave Irradiation to Biological Waste Treatment*, Proceedings of the 7th International Conference on Electron Beam Technologies (EBT'2003), Varna, Bulgaria, 425-431, 1-6 June 2003

15. **M.R. Nemțanu**, A. Tirlea, M. Brasoveanu, D. I. Martin, C. Oproiu, R. Minea, *Applications of the Electron Beams for Industry*, Proceedings of the 7th International Conference on Electron Beam Technologies (EBT'2003), Varna, Bulgaria, 366-370, 1-6 June 2003
16. Martin D.I., S.O. Ferdes, C. Oproiu, D. Ighigeanu, E. Mateescu, G. Craciun, **M.R. Nemțanu**, *Combined Effects of Electron Beam and Microwave Irradiation on Microbial Decontamination*, The 5th International Conference on Food Physics – Proceedings, ISBN 80-7157-626-3, 67-72, Brno, Czech Republic, May 30-June 1, 2002
17. Brasoveanu M.M., **M.R. Nemțanu**, N.M. Grecu, V.V. Grecu, R. Minea, *Limits in Irradiated Dried Fruits Discrimination by EPR Method*, The 5th International Conference on Food Physics – Proceedings, ISBN 80-7157-626-3, Brno, Czech Republic, 15-18, May 30-June 1, 2002

IV. Brevete de invenție

1. **Monica R. Nemțanu**, Mirela Brașoveanu, Denisa Eglantina Duță, Viorica Meltzer, *Amidon modificat pentru uz alimentar*, RO-127402, acordat prin hotărârea nr. 3/190 din 30.10.2013, RO-BOPI nr. 12/2013