

## **Lista lucrărilor științifice publicate**

- 1.** G. Andrei, A. Cîrciumaru, D. Dima, L. Andrei, I.G. Bîrsan, N. Țigău, 2007, *Electric Behavior of Carbon Based Polymer Composite for Aircraft Applications*, 2007, European Congress on Advanced Materials and Processes – EUROMAT 2007, Lecture in Symposium X23, Material for Aerospace Structures and Propulsion.
- 2.** G. Andrei, A. Cîrciumaru, D. Dima, L. Andrei, I.G. Bîrsan, L.P. Georgescu, 2007, *Assessment of Electric Properties of Carbon based Polymer Composite for Aircraft Lightweight Structures*, Proceedings of The 5<sup>th</sup> Conference New Research Trends in Material Science – ARM 5, 2007, Sibiu, Vol. III, 844.
- 3.** A. Cîrciumaru, G. Andrei, I. G. Bîrsan, *Electric and electromagnetic properties of fiber fabric based filled epoxy composites* – First International Conference on Polymers Processing in Engineering, PPE 2007, Galati.
- 4.** G. Andrei, A. Cîrciumaru, I. G. Bîrsan, D. Dima, *A study Electric Properties of Fiber Fabric Based Filled Epoxy Composites* – Diagnosis and Prediction in Mechanical Engineering Systems, DIPRE 07, Galati.
- 5.** A. Cîrciumaru, I. G. Bîrsan, G. Andrei, D. Dima, *A study of Electromagnetic Properties of Fiber Fabric Based Filled Epoxy Composites* – Diagnosis and Prediction in Mechanical Engineering Systems, DIPRE 07, Galati.
- 6.** A. Cîrciumaru, G. Andrei, I. G. Bîrsan, D. Dima, *Electric and Electromagnetic Properties of Fiber Fabric Based Filled Epoxy Composites* - Diagnosis and Prediction in Mechanical Engineering Systems, DIPRE 07, Galati.
- 7.** Andrei, G., Cîrciumaru, A., Dima, D., Bîrsan, I., Andrei, L., 2008, *Electrical behavior of carbon based polymer composite*, *Metalurgia International*, Special Issue 2008, pp 36-42, ISSN 1582-2214.
- 8.** Cîrciumaru, A., Bîrsan I.G., Andrei, G., Dima, D., 2008, *Carbon Fiber Based Filled Epoxy Composites*, 0265-0266, *Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium*, pp 133, ISSN 1726-9679, ISBN 978-3-901509-68-1.
- 9.** Cîrciumaru, A., Bîrsan I.G., Andrei, G., Diaconu, N., 2008, *Stratified Hybrid Composites*, 0267-0268, *Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium*, pp 134, ISSN 1726-9679, ISBN 978-3-901509-68-1.
- 10.** Cîrciumaru, A., Bîrsan, I.G., Andrei, G., Bria, V., Crudu, L., 2008, *Influence of Reinforcement on the Properties of Filled Epoxy Composites*, 0269-0270, *Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium*, pp 135, ISSN 1726-9679, ISBN 978-3-901509-68-1.
- 11.** Cîrciumaru, A., Bîrsan, I.G., Andrei, G., *Hybrid Composites*, prezentat la Sesiunea Științifică *Științe Aplicate în Studiul Mediului Înconjurător și Materialelor*, Târgoviște, România, 2008. Journal of Science and Arts. ISSN 1844-9581
- 12.** Cîrciumaru, A., Andrei, G., Bîrsan, I.G., Dima, D., *Electric Properties of Hybrid Polymer Composites*, Abstract Book of The 3rd International Conference on Surfaces, Coatings and Nanostructured Materials (NanoSMat) 21-24 October, 2008, NSM316, p.255.
- 13.** Cîrciumaru, A., Bîrsan, I.G., Andrei, G., *Electrical Conductivity of Fabric Based Filled Epoxy Composites*, prezentat la 18th European Conference on Thermophysical Properties, Pau, Franța, 2008.
- 14.** Cîrciumaru, A., Andrei, G., Bîrsan, I.G., *Influence of External Fields over the Properties of Carbon Fiber Fabric Based Filled Epoxy Composites*, Proceedings of The 5th International Symposium about Design in Mechanical Engineering, KOD – 2008, Novi-Sad, Serbia, p.493-496, 15-16 aprilie 2008. ISBN 978-86-7892-104-9.
- 15.** Andrei, G., Cîrciumaru, A., Bîrsan, I.G., *Carbon Fabric Based Filled Epoxy Composites*, Proceedings of The 5th International Symposium about Design in Mechanical Engineering, KOD – 2008, Novi-Sad, Serbia, p.489-492, 15-16 aprilie 2008. ISBN 978-86-7892-104-9.

- 16.** Cîrciumaru, A., Bria, V., Bîrsan, I.G., Andrei, G., Diaconu, N., *Electrical Properties of Aluminum Filled Epoxy*, Proceedings of The 12th International Conference on Mechanical Engineering, Bratislava, Slovacia, 13-14 november 2008, VI-2, 1-6, ISBN 978-80-277-2982-6.
- 17.** Cîrciumaru, A., Bria, V., Bîrsan, I.G., Andrei, G., Dima, D., *Electrical Propreties of Filled Epoxy; High Fillers Concentration*, Proceedings of The 12th International Conference on Mechanical Engineering, Bratislava, Slovacia, 13-14 november 2008, VI-12, 1-5, ISBN 978-80-277-2982-6.
- 18.** Cîrciumaru, A., Bîrsan, I.G., Andrei, G., *Mechanical Properties of Mixed Fabric Based Filled Epoxy Composites*, prezentat la *Forumul BSUN*, Kiev, Ucraina, 2008.
- 19.** Cîrciumaru, A., Bîrsan, I.G., Andrei, G., *Comparative Study of Mechanical Properties of Fiber Fabric Based Filled Epoxy Composites*, prezentat la *Forumul BSUN*, Kiev, Ucraina, 2008.
- 20.** Cîrciumaru, A., Bîrsan, I.G., Andrei, G., *Hybrid Polymeric Composites with Nanopowders Filled Matrix*, prezentat la *Seminarul Național de Nanoștiință și Nanotehnologie*, Academia Română, București, 2008.
- 21.** Cîrciumaru, A., Bîrsan, I.G., Andrei, G., *Hybrid Composites*, prezentat la Sesiunea Științifică *Ştiințe Aplicate în Studiul Mediului Înconjurător și Materialelor*, Târgoviște, România, 2008.
- 22.** Andrei, G., Bîrsan, I.G., Cîrciumaru, A., *Mechanical Properties of Carbon Fiber Based Hybrid Composites*, în volumul *Simpozionului Durabilitatea și Fiabilitatea sistemelor mecanice*, Târgu-Jiu, 20-21 iunie 2008, p. 113-114, Editura Academica Brancusi, ISBN 978-973-144-180-1.
- 23.** Cîrciumaru, A., Bîrsan, I.G., Andrei, G., *Electric Permittivity of a Class of Hybrid Composites*, prezentat la Simpozionul *Durabilitatea și Fiabilitatea sistemelor mecanice*, Târgu-Jiu, 20-21 iunie 2008, p. 141-144, Editura Academica Brancusi, ISBN 978-973-144-180-1.
- 24.** Cîrciumaru, A., Bîrsan, I.-G., Bria, V., Ungureanu, V., *Thermo-mechanical and Electrical Properties of Filled Epoxy Reinforced Composites*, 11<sup>th</sup> International Conference in Tribology, Serbiatrib 2009, Belgrade, Serbia.
- 25.** Cîrciumaru, A., Bîrsan, I.-G., Andrei, G., *Mechanical Properties of Stratified Composites with CNT Filled Matrix*, XIII Seminar „Composites 2009 Theory and Practice“, Czestochowa University of Technology, Polonia.
- 26.** Andrei, G., Cîrciumaru, A., Bîrsan, I.-G., Diaconu, N., *Mechanical Properties of Fabric Reinforced Composites with Talc and Carbon Black Filled Matrix*, XIII Seminar „Composites 2009 Theory and Practice“, Czestochowa University of Technology, Polonia.
- 27.** Bria, V., Bîrsan, I.-G., Cîrciumaru, A., Ungureanu, V., *A Technique to Obtain High Filled Epoxy Composites*, Proceedings of 13<sup>th</sup> International Conference, Modern Technologies, Quality and Innovation, Modtech 2009, Iași, România, pp. 91-94, ISSN: 2066-3919.
- 28.** Cîrciumaru, A., Bîrsan, I.-G., Bria, V., Ungureanu, V., *Tailoring the Interface in Fabric Based Filled Epoxy Composites*, Proceedings of 13<sup>th</sup> International Conference, Modern Technologies, Quality and Innovation, Modtech 2009, Iași, România, pp. 163-166, ISSN: 2066-3919.
- 29.** Bria, V., Bîrsan, I.-G., Cîrciumaru, A., Ungureanu , V., *Electrical Conductivity of Fabric Reinforced Ferrite Filled Epoxy Composites*, 8<sup>th</sup> Youth Symposium on Experimental Solid Mechanics, Gyor, Ungaria, 2009.
- 30.** Bîrsan, I.-G., Cîrciumaru, A., Diaconu, N., Bria, V., *Studiu comparativ al componitelor armate cu țesături*, Editia a II-a a Simpozionului Internațional Fiabilitatea și Durabilitatea Sistemelor Mecanice, Târgu Jiu, 23-24 Mai, 2009.
- 31.** Cîrciumaru, A., Bîrsan, I.-G., Diaconu, N., Ungureanu, V., *Uzura materialelor compozite armate cu țesături și cu matrice polimerica aditivata*, , Editia a II-a a Simpozionului Internațional Fiabilitatea și Durabilitatea Sistemelor Mecanice, Târgu Jiu, 23-24 Mai, 2009.

- 32.** Bîrsan, I.-G., Cîrciumaru, A., Diaconu, N., *Electrical Conductivity of Fabric Reinforced Filled Epoxy Composites*, The 20<sup>th</sup> Annual International SICOMP Conference, Pitea, Suedia, Iunie, 2009.
- 33.** Cîrciumaru, A., Andrei, G., Bîrsan, I.-G., Diaconu, N., *Thermo-mechanical and electrical properties of high filled epoxy composites*, EUROMAT 2009, Glasgow, Scotland.
- 34.** Bria, V., Roman, I., Postolache I., Bîrsan I.-G., Cîrciumaru, A., *Mechanical and Dielectric properties of stratified composites*, Proceeding of International conference Newtech 2009, Galati, Romania, pp. 311-314, ISSN 1221-4566, 2009.
- 35.** Bria, V., Roman, I., Postolache, I., Ungureanu, V., Bîrsan, I.-G., Cîrciumaru, A., *Mechanical properties of filled epoxy based reinforced composites*, Proceeding of International conference Newtech 2009, Galati, Romania, pp. 315-318, ISSN 1221-4566, 2009.
- 36.** Bîrsan, I.-G., Cîrciumaru, A., Roman, I., Bria, V., *Reinforcement influence over the properties of filled epoxy matrix composites*, Mechanics and Technology of Composite Materials, Proceedings of 12th International Conference, Varna, Bulgaria September 22-24, pp.149-154, ISSN 1313-8693, 2009.
- 37.** Cîrciumaru, A., Bîrsan, I.-G., Bria, V., Ungureanu, V., *Thermo-mechaical and electrical properties of filled epoxy reinforced composites*, Mechanics and Technology of Composite Materials, Proceedings of 12th International Conference, Varna, Bulgaria, September 22-24,pp.159-164, ISSN 1313-8693, 2009.
- 38.** Cîrciumaru A., Bîrsan I.G., Andrei G. – *Selected mechanical properties of stratified composites with CNT filled matrix*. Kompozity (Composites), Vol. 9, nr. 2, 2009, ISSN 1641-8611, pag. 186-191
- 39.** Andrei G., Cîrciumaru A., Bîrsan I.G., Diaconu N. – *Selected mechanical properties of fabric reinforced composites with talc and carbon filled matrix*. Kompozity (Composites), Vol. 9, nr. 4, 2009, ISSN 1641-8611, pag. 347-351
- 40.** Andrei G., Dima D., Bîrsan I.G., Andrei L., Cîrciumaru A. – *Effect of ferrite particles on mechanical behavior of glass fibers reinforced polymer composite*. In Materiale plastice. Vol. 46, nr. 3, 2009, pag. 284 – 287 (ISSN 0025 / 5289).
- 41.** Bîrsan I.G., Cîrciumaru A., Diaconu N. – *Multi-Component Composites*. Abstract Book ACE-X 2009 Conference, Roma 22-23 iunie 2009, pag. 119.
- 42.** Cîrciumaru A., Bîrsan I.G., Andrei G. – *Impact analysis of fabric reinforced composites*. Abstract Book ACE-X 2009 Conference, Roma 22-23 iunie 2009, pag. 152-153.
- 43.** Andrei G., Bîrsan I.G., Cîrciumaru A., Diaconu N. – *Thermal conductivity of fabric reinforced filled epoxy matrix composites*. Abstract Book DSL 2009 Conference, Roma 24-26 iunie 2009, pag. 23-24.
- 44.** Bria, V., Cîrciumaru, A., Bîrsan, I.-G., Ungureanu, V., *Fabric Reinforced Filled Epoxy Composites*, International Conference on Diagnosis and Prediction in Mechanical Engineering Systems (DIPRE'09), Galati, Romania, ISBN 978-606-8008-33-2.
- 45.** Cîrciumaru, A., Bîrsan, I.-G., Bria, V., Postolache, I., *Clay Epoxy Composites*, International Conference on Diagnosis and Prediction in Mechanical Engineering Systems (DIPRE'09), Galati, Romania, ISBN 978-606-8008-33-2.
- 46.** Bîrsan, I.-G., Bria, V., Cîrciumaru, A., Roman, I., *Characterization of Particulate Epoxy Composites*, International Conference on Diagnosis and Prediction in Mechanical Engineering Systems (DIPRE'09), Galati, Romania, ISBN 978-606-8008-33-2.
- 47.** Bîrsan I.G., Andrei G., Ungureanu V., Roman I., Cîrciumaru, A. – *Wear behavior of fabric reinforced epoxy based composites*. Proceeding of the International Conference BALTRIB'2009, Kaunas, 19-21 nov. 2009, pag. 158 – 163.
- 48.** Bîrsan I.G., Andrei G., Bria V., Postolache I., Cîrciumaru, A. – *Tribological behavior of clay/epoxy reinforced epoxy composites*. Proceeding of the International Conference BALTRIB'2009, Kaunas, 19-21 nov. 2009, pag. 154 – 169.

- 49.** Cîrciumaru, A., Andrei G., Bîrsan I.G., Bria V., Diaconu N., Dima D., Roman I., Leva V. – *Clay epoxy composites*. In Annals of DAAAM for 2009 & Proceedings of 20th International DAAAM Symposium, Vol. 20, Nr. 1, (ISSN 1726-9679; ISMB 978-3-901507-70-4), pag. 1681 - 1682.
- 50.** Bîrsan I.G., Cîrciumaru, A., Andrei G., Dima D., Diaconu N., Ungureanu V., Bria V., Postolache I. – *Fabric reingorced epoxy composites*. In Annals of DAAAM for 2009 & Proceedings of 20th International DAAAM Symposium, Vol. 20, Nr. 1, (ISSN 1726-9679; ISMB 978-3-901507-70-4), pag. 1683 -1684.
- 51.** Cîrciumaru A., Bîrsan I.G., Andrei G., Bria V., Postolache I. - *Some properties of a special type of reinforced composites with filled epoxy* . In Academic Journal of Manufacturing Engineering (în process de publicare)
- 52.** Bîrsan, I.-G., Cîrciumaru, A., Postolache, I., Bria, V., *Characterization of Zn Filled Epoxy Composites*, Proceeding of The 2st International Conference on Polymers Processing Engineering PPE 2009, Galati, Romania, ISSN 2066-9984.
- 53.** Cîrciumaru, A., Bîrsan, I.-G., Andrei, G., Bria, V., Postolache, I., *Some Properties of a Special Type of Reinforced Composites With Filled Epoxy*, Proceeding of The 2st International Conference on Polymers Processing Engineering PPE 2009, Galati, Romania, ISSN 2066-9984.
- 54.** Cîrciumaru A., Andrei G., Bîrsan I., Semenescu A.: Electrical Conductivity of Fabric Based Filled Epoxy Composites. In: *Materiale Plastice* 46, Nr. 2, 2009, pag. 211-214 . ISSN 0025-5289.
- 55.** Bîrsan, I.-G., Cîrciumaru, A., Bria, V., Ungureanu, V., *Tribological and Electrical Properties of Filled Epoxy Reinforced Composites*, in *Tribology in industry*, 31, No. 1-2, 2009, pp. 33-36, ISSN: 0354-8996
- 56.** Boian, L., Serban, A., Cîrciumaru, A., Bîrsan, I.-G., *Stratified Composites*, in curs de publicare in *Materiale Plastice*, 2010.
- 57.** Cîrciumaru, A., Bîrsan, I.-G., Postolache, I., Bria, V., *Characterization of Zn Filled Epoxy Materials*, in curs de publicare, 2010.
- 58.** Bîrsan, I.-G., Cîrciumaru, A., Bria, V., *Some Properties of Particulate Epoxy Composites*, 4<sup>th</sup> International Francophone Congress on Applied Mechanics, Aleppo, Syria, Aprilie, 2010.
- 59.** Cîrciumaru, A., Bîrsan, I.-G., Bria, V., *Fabric Reinforced Composites with Filled Epoxy Matrix*, 4<sup>th</sup> International Francophone Congress on Applied Mechanics, Aleppo, Syria, Aprilie, 2010.
- 60.** Ungureanu, V., Bria, V., Postolache, I., Cîrciumaru, A., Bîrsan, I.-G., *Bending Properties of Fabric Reinforced Composites with Stratified Filled Epoxy Matrix*, 3rd Symposium with international participation *Durability and Reliability of Mechanical Systems*, Târgu Jiu, România, 20-21.05.2010.
- 61.** Roman, I., Postolache, I., Bria, V., Cîrciumaru, A., Bîrsan, I.-G., *Thermo-Mechanical Properties of Fabric Reinforced Composites with Filled Epoxy Matrix*, 3rd Symposium with international participation *Durability and Reliability of Mechanical Systems*, Târgu Jiu, România, 20-21.05.2010.
- 62.** Bria, V., Roman, I., Ungureanu, V., Cîrciumaru, A., Bîrsan, I.-G., *Thermal Properties of Particulate Epoxy Composites*, 3rd Symposium with international participation *Durability and Reliability of Mechanical Systems*, Târgu Jiu, România, 20-21.05.2010.
- 63.** Bîrsan, I. G., Cîrciumaru, A., Bria, V., Roman, I., Ungureanu, V., *Mechanical Characterization of Fiber Fabrics*, ESDA 2010, Istanbul, Turkey, July, 2010.
- 64.** Bria, V., Bîrsan, I. G., Cîrciumaru, A., Ungureanu, V., Roman, I., *Tribological Characterization of Particulate Composites*, ESDA 2010, Istanbul, Turkey, July, 2010.
- 65.** Cîrciumaru, A., Bria, V., Bîrsan, I. G., Andrei, G., Dima, D., *Some Properties of Stratified Composites*, ESDA 2010, Istanbul, Turkey, July, 2010.

- 66.** Bria, V., Circiumaru, A., Birsan, I.G., *Some Properties of Starch/Epoxy Composites*, MATERIALE PLASTICE, Vol. 48, no. 2, pp. 189-194, ISSN 0025-5289, 2011.
- 67.** Circiumaru, A., Bria, V., Roman, I., Andrei, G., Dima, D., Birsan, I.G., *Physical Properties of Filled Epoxy Composites*, Annals of DAAAM for 2011 &Proceedings of the 22<sup>nd</sup> International DAAAM Symposium “Intelligent Manufacturing & Automation: Power of Knowledge and Creativity”, 23-26<sup>th</sup> November 2011, Viena, Austria, pp. 59-60, ISSN 1726-9679, 2011.
- 68.** Birsan, I.G., Roman, I., Bria, V., Ungureanu, V., Circiumaru, A., *Starch – Epoxy Composites*, Annals of DAAAM for 2011 &Proceedings of the 22<sup>nd</sup> International DAAAM Symposium “Intelligent Manufacturing & Automation: Power of Knowledge and Creativity”, Viena, Austria, pp. 285-286, ISSN 1726-9679, 2011.
- 69.** Bria, V., Circiumaru, A., Birsan, I.G., Andrei, G., Dima, D., Roman, I., *Fabric Reinforced Laminae and Laminates With Starch – Epoxy Matrix*, Annals of DAAAM for 2011 &Proceedings of the 22<sup>nd</sup> International DAAAM Symposium “Intelligent Manufacturing & Automation: Power of Knowledge and Creativity”, Viena, Austria, pp. 291-292, ISSN 1726-9679, 2011.
- 70.** Murarescu M., Dima D., Andrei G., Circiumaru A., Roman I., *Studies On Thermal Properties Modifications At Poliesteric Resins By Multiwall Carbon Nanotubes Addition*, Annals of “Dunarea De Jos” University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year III (XXXIV) 2011, 129-134, ISSN 2067-2071
- 71.** Ungureanu, V., Bria, V., Roman, I., Birsan, I.G., Circiumaru, A., *Some properties of starch filled epoxy*, International Conference POLYMER COMPOSITES 2011, Plzni, Czech Republic, pp. 123-126, ISBN 978-80-7043-984-5.
- 72.** Ungureanu, V., Bria, V., Roman, I., Birsan, I.G., Circiumaru, A., *Mechanical analysis of fabric reinforced epoxy laminae*, International Conference POLYMER COMPOSITES 2011, Plzni, Czech Republic, pp. 127-130, ISBN 978-80-7043-984-5.
- 73.** Roman, I., Ungureanu, V., Bria, V., Circiumaru, A., Birsan, I.G., *Electrical and thermal charakterization of fabric reinforced laminae*, International Conference POLYMER COMPOSITES 2011, Plzni, Czech Republic, pp. 131-134, ISBN 978-80-7043-984-5.
- 74.** Bria, V., Ungureanu, V., Roman, I., Birsan, I.G., Circiumaru, A., *Mechanical Properies of Fabric Reinforced Composites*, Proceedings of the 7<sup>th</sup> International Scientific Conference Research and Development of Mechanical Elements and Systems, Zlatibor, Serbia, pp. 355-358, ISBN 978-86-6055-012-7, 2011.
- 75.** Roman, I., Bria, V., Ungureanu, V., Birsan, I.G., Circiumaru, A., *Tribological Analysis of Fabric Reinforced Composites*, Proceedings of the 7<sup>th</sup> International Scientific Conference Research and Development of Mechanical Elements and Systems, Zlatibor, Serbia, pp. 359-362, ISBN 978-86-6055-012-7, 2011.
- 76.** Ungureanu, V., Roman, I., Bria, V., Birsan, I.G., Circiumaru, A., *Physical Properties of Clay-Talc/Epoxy Composites*, Proceedings of the 7<sup>th</sup> International Scientific Conference Research and Development of Mechanical Elements and Systems, Zlatibor, Serbia, pp. 363-366, ISBN 978-86-6055-012-7, 2011.
- 77.** Roman, I., Ungureanu, V., Bria, V., Circiumaru, A., Birsan, I.G., *Strach Epoxy Composites a Study of Starch Amount Influence*, Proceedings of the 12<sup>th</sup> International Conference on Tribology – SERBIATRIB’11, Kragujevac, Serbia, pp. 181-184, ISBN 978-86-86663-74-0, 2011.
- 78.** Murarescu M., Dima D., Andrei G., **Circiumaru A.**, *Influence of MWCNT dispersion on electrical properties of nanocomposites with polyester matrix*, Annals of DAAAM for 2010 & Proceedings of the 22nd International DAAAM Symposium, Volume 22, No. 1, pp. 0925-0926, ISSN 1726-9679, ISBN 978-3-901 509-83-4, Editor B Katalinic, Published by DAAAM International Vienna, Austria, EU, 2011.
- 79.** Bria, V., Dima, D., Andrei, G., Birsan, I.G., Circiumaru, A., *Tribological and Wear Properties of Multi-Layered Materials*, Proceedings of the 12<sup>th</sup> International Conference on

Tribology – SERBIATRIB’11, Kragujevac, Serbia, pp. 185-189, ISBN 978-86-86663-74-0, 2011.

- 80.** Ungureanu, V., Roman, I., Bria, V., Circiumaru, A., Birsan, I.G., *A Qualitative Study of Failure Mechanisms for Fabric Reinforced Laminae*, Proceedings of 10<sup>th</sup> International Conference, Research and Development in Mechanical Industry RaDMI 2011, Soko Banja, Serbia, ISBN 978-86-6075-018-3, 2011.
- 81.** Roman, I., Bria, V., Ungureanu, V., Circiumaru, A., Birsan, I.G., *Physical Properties of Starch Filled Epoxy Composites*, Proceedings of 10<sup>th</sup> International Conference, Research and Development in Mechanical Industry RaDMI 2011, Soko Banja, Serbia, ISBN 978-86-6075-018-3, 2011.
- 82.** Bria, V., Ungureanu, V., Roman, I., Circiumaru, A., Birsan, I.G., *A Mechanical Analysis of Fabric Reinforced Plies*, Proceedings of 10<sup>th</sup> International Conference, Research and Development in Mechanical Industry RaDMI 2011, Soko Banja, Serbia, ISBN 978-86-6075-018-3, 2011.
- 83.** Ungureanu, V., Roman, I., Bria, V., Birsan, I.G., Circiumaru, A., *Tribological comparison of some particulate composites*, Proceedings of the 12th International Conference on Tribology, SERBIATRIB '11, pp.190-193, ISBN 978-86-86663-74-0, 2011.
- 84.** Mădălina Matei, Sorin Ciortan, **Adrian Cîrciumaru**, An analysis of Incisive-Bracket Bond Resistance in Orthodontics. I. General Approach, source: MATERIALE PLASTICE, Volume 51, Issue 3, pp. 267 - 270, published: SEP 2009, ISSN: 025-5289.
- 85.** Mădălina Matei, Sorin Ciortan, **Adrian Cîrciumaru**, An analysis of Incisive-Bracket Bond Resistance in Orthodontics. II. Operating in medium aggressive media, source: MATERIALE PLASTICE, Volume 51, Issue 3, pp. 313 - 316, published: SEP 2009, ISSN: 025-5289.
- 86.** M. Murărescu, D. Dima, G. Andrei, **A. Cîrciumaru**, Synthesis of Polyester Composites with Functionalized Carbon Nanotubes by Oxidative Reactions and Chemical Deposition, Digest Journal of Nanomaterials and Biostructures, Vo. 9, Aprilie-June 2014, pp. 653-665.
- 87.** L. Ciupargea, G. Andrei, D. Dima, **A. Cîrciumaru**, A. Cotet, Stress-Strain Characteristics of Polyester Composites with Singlewall, Multiwall and Functionalized Carbon Nanotubes, Proceedings of IManE, pp. 382-286, ISBN-13:978-3-03835-275-4, doi:10.4028/www.scientific.net/AMM.657.382.
- 88.** M. Bastiurea, M. S. Rodeanu Bastiurea, G. Andrei, D. Dima, M. Murarescu, M. Ripa, and **A. Cîrciumaru**, *Determination of specific heat of polyester composite with graphene and graphite by differential scanning calorimetry*, Tribol. Ind., vol. 36, no. 4, pp. 419–427, 2014.
- 89.** Madalina Nicoleta Matei, Iulia Graur, S.Ciortan, Laura Cristina Rusu, **A.Cîrciumaru**, *Analiza rezistenței lipiturilor arcurilor incisive în ortodontică.III*, Materiale Plastice, ISSN 0025 / 5289, Vol. 52, nr. 2, iunie, 2015.
- 90.** Iulia Graur, Ioan Bosoancă, Radu Bosoancă, Marius Bodor, **Adrian Cîrciumaru**, *Thermal Analysis of Ionic Substances Doped Epoxy*, Revista de Chimie, ISSN 0034-7752, vol.66. nr.11/2015.
- 91.** Marina Bunea, Ioan Bosoanca, Radu Bosoanca, **Adrian Cîrciumaru**, *Bending and Compressive Properties of Fabric Reinforced Composites*, Materiale Plastice, ISSN 0025 / 5289Vol. 52, nr. 3, 2015.
- 92.** Victorita Stefanescu, Marina Bunea, **Adrian Cîrciumaru**, *Impact Analysis of Fabric Reinforced Plates*, Materiale Plastice, ISSN 0025 / 5289, Vol.52, nr. 2, iunie, 2015.
- 93.** Iulia Graur, Vasile Bria, **Adrian Cîrciumaru**, Iulian-Gabriel Bîrsan, *Electrical Properties of Ultra sonicated Epoxy Resin*, The Annals of "Dunarea de Jos", University of Galati, Fascicle IX, Metallurgy and Materials Science, nr.1, ISSN 1453-083X, 2015
- 94.** Ioan Bosoanca, Radu Bosoanca, Iulia Graur, Ionut Mihalache, Marius Bodor, **Adrian Cîrciumaru**, Vasile Bria, *Properties of Organic Diluted Epoxy Matrix*, FIT 2015 Proceedings, ISBN 978-619-167-178-6, 2015.

- 95.** Iulia Graur, Georgel Mihu, Vasile Bria, **Adrian Cîrciumaru**, Iulian-Gabriel Bîrsan, *Compressive Behavior of Ultra-sonicated Starch/Carbon black/Epoxy Composites*, The Annals of "Dunarea de Jos", University of Galati, Fascicle IX, Metallurgy and Materials Science, nr.2, ISSN 1453-083X, 2015.
- 96.** Iulia Graur, Ioan Bosoanca, Radu Bosoanca, **Adrian Cîrciumaru**, Marius Bodor, *Effect of ultra-sonication on some properties of ionic substances doped epoxy*, Swerea/SICOMP Conference, 1-2 iunie, Gothenburg, 2015.
- 97.** Ioan Bosoanca, Radu Bosoanca, Iulia Graur, Ionut Mihalache, Marius Bodor, **Adrian Cîrciumaru**, Vasile Bria, *Properties of Organic Diluted Epoxy Matrix*, FIT 2015, International Scientific Conference of Faculty of Industrial Technology, 1-13 septembrie, Sozopol, Bulgaria, 2015.
- 98.** Sorin Strătilă Dorin, Marius Bodor, Iulia Graur, Vasile Bria, Marina Bunea, Alina Cantaragiu, **Adrian Cîrciumaru**, *Obtaining and analysis of different powders for utilisation as additives in formation of polymers with special properties*, International Conference of Young Researchers, New Trends in Environmental and Materials Engineering, TEMA 21 - 23 october, Galați, Romania, 2015.
- 99.** Ionuț Mihalache, Claudia Ungureanu, Alina Cantaragiu, Iulia Graur, Marius Bodor, Vasile Bria, **Adrian Cîrciumaru**, *Lysine modified epoxies*, International Conference of Young Researchers, New Trends in Environmental and Materials Engineering, TEMA 21 - 23 october, Galați, Romania, 2015.
- 100.** I. Bosoancă, R. Bosoancă, G. Mihu, M. Bodor, C. Muntenita, I. Mihalache, I. Graur, C. Ungureanu, **A. Cîrciumaru**, V. Bria, *Tribological behaviour of in situ nanostructured polymers*, VIII International Conference BALTTRIB', 26-27 November, Akademija, Kaunas, Lithuania, 2015.
- 101.** Claudia Ungureanu, Marius Bodor, Iulia Graur, **Adrian Cîrciumaru**, Vasile Bria, *Carbon filled polymers*, UGAL INVENT, Research and Innovation Exhibition, Dunarea de Jos University of Galați, România, 7 – 9 October 2015.
- 102.** Iulia Graur, Claudia Ungureanu, Marius Bodor, **Adrian Cîrciumaru**, Vasile Bria, *Memory Shape Polymers*, UGAL INVENT, Research and Innovation Exhibition, Dunarea de Jos University of Galați, România, 7 – 9 October 2015.
- 103.** Ioan Bosoanca, Radu Bosoanca, Iulia Graur, Ionut Mihalache, Marius Bodor, **Adrian Cîrciumaru**, Vasile Bria, *Properties of Organic Diluted Epoxy Matrix*, FIT 2015 Proceedings, ISBN 978-619-167-178-6, 2015.
- 104.** M. Bunea, I. Bosoancă, R. Bosoancă, G. Mihu, M. Bodor, C. Muntenita, I. Graur, C. Ungureanu, **A. Cîrciumaru**, V. Bria, *Tribological behaviour of stratified composites*, VIII International conference BALTTRIB', 26-27 November, Akademija, Kaunas, Lithuania, 2015.
- 105.** Antoaneta Ene, **Adrian Cîrciumaru**, Spatial variation of outdoor gamma radiation dose rates in selected locations of Cahul town, Republic of Moldova, INTERNATIONAL CONFERENCE "ENVIRONMENTAL CHALLENGES IN LOWER DANUBE EUROREGION" June 25-26, 2015 Galați, Romania.
- 106.** Antoaneta Ene, Emilian Danila, **Adrian Cîrciumaru**, Constantin Gheorghies, Romana Drasovean, Steluta Gosav, Stefan Dragomir, Marius Bodor, Vasile Bria, Nicusor-Daniel Patrascu, Eugenia Pascu, Gina Gavril, Alina Slobodeniuc, Cristina Ariton, Olimpia Stoleru, Sergiu Ciobanu, Andreea Ene, Leonard Chirita, Ionelia Sandu, *Applications of gamma-rays spectrometry and nuclear dosimetry*, INTERNATIONAL CONFERENCE "ENVIRONMENTAL CHALLENGES IN LOWER DANUBE EUROREGION" June 25-26, 2015 Galați, Romania.

**Cărți:**

- Cîrciumaru, A.**, *Curriculum and Instruction in Physics*, Hiroshima University, 1997.
- Niculescu, Carmen, Cîrciumaru, A.**, *Fizica – Manual pentru clasa a X-a*, ProGnosis, București, 2000, ISBN 973-99841-1-8
- Cîrciumaru, A.**, *Proiectarea, formarea și caracterizarea materialelor compozite cu matrice polimerică (note de curs)*, Europlus, Galați, 2013, ISBN 978-606-628-060-0
- Cîrciumaru, A.**, *Caracterizarea și testarea materialelor polimerice (ghid pentru lucrări practice)*, Europlus, Galați, 2013, ISBN 978-606-628-059-4
- Cîrciumaru, A.**, *Caracterizarea și testarea materialelor compozite cu matrice polimerice (ghid pentru lucrări practice)*, Europlus, Galați, 2013, ISBN 978-606-628-058-7