Universitatea Tehnică din Cluj-Napoca
Facultatea Inginerie Industrială, Robotică şi Managementul Producţiei
Departamentul Ingineria Fabricaţiei
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LISTA DE LUCRĂRI

A. Teza de doctorat

Titulu tezei: „Cercetări teoretice şi experimentale privind fabricaţia şi comportarea mecanică a tuburilor din materiale compozite polimerice" conducător ştiinţific : Prof.dr.ing. Horaţiu Iancău, Universitatea Tehnică din Cluj-Napoca, Susţinere publică: 02-07-2009.

B. Cărţi şi capitole în cărţi publicate

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3. Paul BERE, Marin GUŢU Manufacturing of composite materials. Materials, Methods, Applications, Editura Tehnică UTM, Technical University of Moldavia, Chişinău 2018, ISBN 978-9975-45-538-1.

4. Paul Bere, Materiale Compozite Polimerice", UTPRESS, Cluj-Napoca, 2012, ISBN, 978-973-662-723-1,

5. Claudiu Florea, **Paul Bere**, Fabricaţia pieselor din materiale compozite prin procedeul de transfer in matriţă, Editura,UTPRESS, Cluj-Napoca. 2017, ISBN, 978-606-737-229-8,

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9. Hancu L., Iancau H., **Paul Bere** ş.a., Fabricaţia pieselor din materiale plastice. Lucrări de laborator, Editura,UTPRESS, Cluj-Napoca. 2016, ISBN, 978-606-737-207-6,

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1. **P. Bere**, C Neamtu, R Udroiu, Novel Method for the Manufacture of Complex CFRP Parts Using FDM-based Molds, Polymers, 2020, 12 (10), 2220, https://doi.org/10.3390/polym12102220, **Q1**, ISI IF 4,329, WOS:000586198100001
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14. **Bere, P**., Krolczyk, J.B., Determination of mechanical properties of carbon/epoxy plates by tensile stress test, 2017 E3S Web of Conferences, 19, 03018 (2017) DOI: 10.1051/e3sconf/20171903018, WOS:000426609200098,
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15. Hodor A., Berce P., **Bere P**., Borzan M., Some considerations about composite moulds manufacturing. in: Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, vol. 56, Issue I, pag.159-162, martie 2013, https://atna-mam.utcluj.ro
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10. Popescu, A. Grozav, S. Radu, A., **Bere, P**., Ceclan, V, Experimental and theoretic research regarding extrusion optimization for reinforced polyamide (PA 6.6 – 20 %GF), 13th-International Scientific Conference Automation In Production Planning And Manufacturing 02. – 04. May 2012 Žilina – Turčianske Teplice, Slovak Republic,13th, ISBN 978-80-89276-35-6. pag. 184-187
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12. Emilia Sabău, Nicolae Bâlc, Liana Hancu, **Paul Bere**, Răzvan Prună, Research regarding the influence of manufacturing on the Mechanical Characteristics of Composite Materiales, XXV. MicroCAD 2011 International Scientific Conference, Miskolc, Ungaria, ISSN 978-661-964-0 pag. 47-51

D. Proprietate intelectuală, brevete de invenţie

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2. **Brevet de invenţie nr.130062/28-02-2017**, Procedeu si material compozit pentru realizarea plăcilor sintetice ornamentale, Sabău E, N. Bâlc, **Bere P**.
3. **Brevet de Invenţie nr. 133074/30.12.2021,** Compoziţie de răşină de impregnare, material compozit şi metodă de fabricaţie a implanturilor cranio-faciale, Rotar H. Băciuţ G. Lazăr M. Prejmerean C. Moldovan M., Prodan D., Bâlc N**. Bere P.**

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