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## **Lista de lucrări**

### **Teza de doctorat**

**Titlu:** *Cercetări asupra tehnologiilor şi materialelor moderne pentru confecţionarea garniturilor de model*

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### **Cărţi**

**1.1** Mihai Alin Pop, Geaman Virgil, Irinel Radomir: *Advanced composites used for thin-walled models fabrication*, editura:Lambert Academic Publishing ISBN:978-3-8454-7241-6 AnAparitie:2018 NrAutori:3 NrPagini:161

**1.2** Virgil Geaman, Monica Geta Caranfil, Irinel Radomir, Tibor Bedo, Mihai Alin Pop: *Spumele Metalice Obtinere, Caracterizare, Aplicatii* editura:S.C. ALBAŞTRA CASA DE EDITURA S.R.L. ISBN:978-973-650-303-0 AnAparitie:2014 NrAutori:5 NrPagini:168

**1.3** Ioan Ciobanu, Daniela Ionescu, Vlad Monescu, Bela Varga, Sorin Ion Munteanu, Tibor Bedo, Aurel Crisan, Mihai Alin Pop: *Simularea solidificarii pieselor turnate din aliaje care se solidifica in interval de temperatura*, editura:EDITURA UNIVERSITATII TRANSILVANIA DIN BRASOV ISBN:978-606-19-03375-5 AnAparitie:2014 NrAutori:8 NrPagini:170

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### Brevet de invenție

**RO 128812/30.03.2020** nr depozit 29/04/2013. *Model de formare realizat din materiale compozite multistrat si procedeu de realizare a acestuia.* Autori: Pop Mihai Alin, Alexandru Constantinescu, Geamăn Virgil

### Granturi/proiecte internationale castigate prin competitie

Director: Solar sintering of parts with controlled cellular morphology architecture made in moulds obtained by 3D printing, SFERA III, finantator: Horizon 2020 Research and Innovation Programme nr:823802 perioada:2020-2020 Valoare grant (partiala): 2399,44 euro anidesfasurare:1.





### **Granturi/proiecte naţionale castigate prin competitie**

- 1 Director: Fabricarea asistata 3D a unor structuri eco-compozite hibride Valoaregrant:22500 finantator:Universitatea Transilvania din Brasov nrctr:8035/14.07.2017 perioada:20172020 anidesfasurare:3

### **Membru in echipe internationale**

- 1 Researches regarding the influence of the heat treatments with solar energy over the wear resistant steels properties, SFERA II, perioada:20162016 anidesfasurare:1
- 2 Research on solar aided sintering (Al-12Si/Gr/SiC) hybrid composites for automotive industry, SFERA II, perioada:20172017 anidesfasurare:1
- 3 Solar-assisted treating of some new stainless steels for biomedical applications, SFERA II, perioada:20172017 anidesfasurare:1
- 4 Driving up Reliability and Efficiency of Additive Manufacturing – DREAM\_H2020\_Grant Agreement nr. 723699 perioada:20162019 anidesfasurare:3
- 5 Improvement of corrosion and thermal resistance by thermal cladding of Ni-based coating on copper, SFERA II, perioada:20132013 anidesfasurare:1
- 6 Improvement of electric contacts corrosion resistance, SFERA II, perioada:20142014 anidesfasurare:1

### **Membru in echipe nationale**

- 1 Cercetari privind materiale si tehnologii utilizate in realizarea prototipurilor pentru industria de automobile perioada:20142015 finantator:SC DRAXLMAIER SISTEME TEHNICE ROMANIA nrctr:86674 anidesfasurare:2
- 2 Cercetări privind stabilirea cauzelor apariţiei neomogenităţilor structurale în vederea diminuării/eliminării 2\*2 lor în produsele din ATSi7Mg0.3 de tip bară perioada:20142015 finantator:ALRO Slatina nrctr:9957 anidesfasurare:2
- 3 Cercetari privind stabilirea cauzelor aparitiei neomogenitatilor structurale in vederea diminuarii/eliminarii lor in produsele din ATSi7Mg0.3 de tip bara perioada:20142015 finantator:ALRO Slatina nrctr:Contract 9957/27.08.2014 anidesfasurare:2
- 4 Cercetari privind materiale si tehnologii utilizate in realizarea prototipurilor pentru industria de automobile perioada:20142016 finantator:SC DTR Draxlmaier Sisteme Tehnice Romania SRL nrctr:16580 -17.12.2014 anidesfasurare:2
- 5 Prototipare set cleme siguranta perioada:20152015 finantator:SC DTR Tata Technologies SRL nrctr:7210/24.06.2015 anidesfasurare:1
- 6 Prototipare profil izolator plastic -nr.ctr.: 5878/21.05.2015 perioada:20152015 finantator:SC DTR Tata Technologies SRL nrctr:5878/21.05.2015 anidesfasurare:1
- 7 Prototipare profil izolator plastic - nr.ctr.:4448/17.04.2015 perioada:20152015 finantator:SC DTR Tata Technologies SRL nrctr:4448/17.04.2015 anidesfasurare:1
- 8 Prototipare carcasa si rotor perioada:20152015 finantator:SC DTR Tata Technologies SRL nrctr:16660/17.12.2015 anidesfasurare:1
- 9 Cercetari privind realizarea unor repere prototip direct din modele CAD perioada:20152016 finantator:SC 2\*2 DTR Tata Technologies SRL nrctr:16722/17.12.2015 anidesfasurare:2
- 10 Optimizing the inductive quenching eco-technology for large bearing rings perioada:20162018 finantator:UEFISCDI nrctr:100BG/2016 anidesfasurare:2



- 11 Determinarea comportamentului termic, termo-reologic si a densitatii deseurilor de poliolefine perioada:20162016 finantator:10520/09.09.2016 nrctr:10520/09.09.2016 anidesfasurare:1
- 12 Cercetari privind fabricarea rapida in ingineria industriala perioada:20162016 finantator:15934/14.11.2016 2\*1 nrctr:15934/14.11.2016 anidesfasurare:1
- 13 Studii si analize: analiza microstructura - 10 probe; Testari: determinare compozitie chimica - 2 probe perioada:20162016 finantator:STABILUS Romania S.R.L. nrctr:5938/31.05.2016 anidesfasurare:1
- 14 Analiza chimica si determinare duritate perioada:20162016 finantator:Continental Powertrain România nrctr:3573/29.03.2016 anidesfasurare:1
- 15 Servicii de cercetare industiala structura suprafata implant : caracteristici mecanice perioada:20172018 finantator:Dentix Milenium SRL nrctr:144/09.01.2017 anidesfasurare:2
- 16 NOI METODOLOGII DE DIAGNOSTICARE SI TRATAMENT: PROVOCARI ACTUALE SI SOLUTII TEHNOLOGICE BAZATE PE NANOMATERIALE SI BIOMATERIALE – Acronim: SANOMAT perioada:20182020 finantator:PN III nrctr:PCCDI-2017-0062 anidesfasurare:2
- 17 Studiul asupra factorilor de influenta a grosimii de strat de lac perioada:20172019 finantator:S.C. QUIN ROMANIA S.R.L. nrctr:13050 din 13.10.2017 anidesfasurare:2
- 18 Prototipare: Garnitura perioada:20182018 finantator:NAMORADA DESIGN nrctr:9733/31.07.2018 anidesfasurare:1
- 19 Prototipare: Carcase perioada:20182018 finantator:S.C. Quarooo Development nrctr:11369/10.09.2018 anidesfasurare:1
- 20 Analiză chimica si microscopica a placilor de Aluminiu perioada:20182018 finantator:BWB Surface Technology nrctr:17350/29.11.2018 anidesfasurare:1
- 21 Cresterea fiabilitatii si eficientei manufacturarii aditive perioada:20172019 finantator:UEFSICDI nrctr:15/2017 anidesfasurare:2
- 22 Analize: Material INOX la balustrade blocuri B17, B18 perioada:20152015 finantator:SC MAURER IMOBILIARE SRL nrctr:3691/30.03.2015 anidesfasurare:1

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2	Buican, G. R., Oancea, G., Lancea, C., & <b>Pop, M. A.</b> (2015). Some Considerations Regarding Micro Hardness of Parts Manufactured from 316-L Steel Using SLM Technology issncitat:16627482 <a href="http://eds.a.ebscohost.com/abstract?site=eds&amp;scope=site&amp;jrnl=16627482&amp;asa=Y&amp;AN=102817017&amp;h=mda7lhbBxoW7rV4xdOBKZ1lz1AM6mqw%2b1fxXtFU8p22c3FrLL7BVd9PNMoGvEken8oBkRagAHKS7T21wG8P%2fww%3d%3d&amp;crl=c&amp;resultLocal=ErrCrlNoResults&amp;resultNs=Ehost&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d16627482%2">http://eds.a.ebscohost.com/abstract?site=eds&amp;scope=site&amp;jrnl=16627482&amp;asa=Y&amp;AN=102817017&amp;h=mda7lhbBxoW7rV4xdOBKZ1lz1AM6mqw%2b1fxXtFU8p22c3FrLL7BVd9PNMoGvEken8oBkRagAHKS7T21wG8P%2fww%3d%3d&amp;crl=c&amp;resultLocal=ErrCrlNoResults&amp;resultNs=Ehost&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d16627482%2</a>	Lewandowski, J. J., & Seifi, M. (2016). Metal additive manufacturing: a review of mechanical properties revista:Annual Review of Materials Research issnciteaza:15317331 AnAparitie:2016 WOS:000379330400007
3	Croitoru, C., Spirchez, C., Lunguleasa, A., Cristea, D., Roata, I.C., <b>Pop, M.A.</b> , Bedo, T., Stanciu, E.M., Pascu A. (2018). Surface properties of thermally treated composite wood panels, revista: Applied Surface Science issncitat:01694332 WOS:000425731200013	Jia, Q., Yu, C., Jin, J., Sarsaiya, S., & Chen, J. (2018). Mechanical Properties of Polyethylene Composites Filled with Willow (Salix babylonica L.) Bark-Boring Insect Dust revista:JOURNAL OF BIOBASED MATERIALS AND BIOENERGY issnciteaza:15566560 AnAparitie:2018
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6	Croitoru, C., Spirchez, C., Lunguleasa, A., Cristea, D., Roata, I.C., <b>Pop, M.A.</b> , Bedo, T., Stanciu, E.M., Pascu A. (2018). Surface properties of thermally treated composite wood panels, revista: Applied Surface Science issncitat:01694332 WOS:000425731200013	Bo Chen, Xiaotong Shen, Zhangfeng Luo, Huidong Chen, Di Cai, Changjing Chen, Changwei Zhang, Peiyong Qin, Hui Cao and Tianwei Tan (2018).Feasibility of polyethylene composites reinforced by distillers dried fibers with solubles (DDFS) after different generations of ethanol fermentation revista:RSC ADVANCES issnciteaza:20462069 AnAparitie:2018 WOS:000439323300039



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