

A N E X A 4 . 1

Universitatea: **Academia Tehnică Militară „Ferdinand I”**

Facultatea: Sisteme Integrate de Armament, Geniu și Mecatronică

Departamentul: Inginerie a Sistemelor de Armament și Mecatronică

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L I S T A**lucrărilor științifice în domeniul disciplinelor din postul didactic****A. Teza de doctorat**

“PRODUȘI CHIMICI CU PROPRIETĂȚI SPECIALE OBTINUȚI PRIN MODIFICAREA PE CALE CHIMICĂ A POLIMERILOR”, Conducător științific: Prof.univ.dr.ing. Gheorghe HUBCA, Facultatea de Chimie Industrială, Universitatea Politehnica din București, 2005

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- 2. MATERIALE ENERGETICE**, Sorin EȘANU, Doru GOGA, Traian ROTARIU, Editura Academiei Tehnice Militare, București, 2016, ISBN 978-973-640-251-7;
- 3. CHIMIA EXPLOZIVILOR**, 162 pg, Traian ROTARIU, Editura Academiei Tehnice Militare, 2010, ISBN 978-973-640-202-9

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D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)**- Reviste**

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- 2 *2,4,6-trinitrotoluene molecularly imprinted sol-gel sens-ing films for selective sensors*, Ana-Mihaela Florea, Tanța-Veleia Iordache, **Traian Rotariu**, Carmen Lazau, Anita-Laura Radu, Andreea Voicu, Gabriela Toader, Steluta Apostol, Gheorghe Hubca and Andrei Sârbu, *New Trends in Research of Energetic Materials*, Pardubice, Czech Republic, April 2016
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- 6 *Studiu comparativ privind determinarea produșilor de combustie și reziduurilor rezultate la tragerea cu muniții calibrul 9x19 mm*, **Traian Rotariu**, Ioan Vedinaș, Răzvan Petre, Sorina Băjenariu, Sorin Eșanu, *Energetic and Ballistic Systems Conference SEB-2013*, Military Technical Academy, Bucharest, September 2013
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E. Brevete obținute în întreaga activitate

1. Brevetul nr. 131692/2018 : Filme polimerice impregnate molecular cu trinitrotoluen, depuse pe suport de TiO₂ și procedeu pentru obținerea lor a obținut Medalia de Aur la Salonul de Invenție de la Geneva Ediția 2018 și Diploma de Excelență la salonul EUROINVENT ediția 2018;
2. Brevetul nr. 132118/2019 Trinitrotoluene molecularly imprinted films by sol-gel method and process for their obtaining, Sarbu Andrei, Iordache Tanta-Verona, Florea Ana-Mihaela, Apostol Steluta, Sandu Teodor, Lazau Carmen, Bandas Cornelia Elena, Orha Corina Ileana, Rotariu Traian, Voicu Elena-Andreea, Radu Anita Laura, Folder OSIM A 00144/29.02.2016.
3. Brevetul 135069/2023, Compozitii poliester-poliolice pentru poliuretani elastomeri, procedeu de obtinere a acestora si materiale compozite pentru combustibili solizi de rachete sub forma carora pot fi utilizate, Duldner Monica, Coman Alina, Zaharia Anamaria, Iordache Verona, Sârbu Andrei, Rotariu Traian, Dîrloman Florin, Hubcă Gheorghe, Damian Celina

Data: 07.04.2026**Semnătura:**