

LIST OF PUBLICATIONS

Profesor Dr. ing.habil. RIPEANU D. Razvan George

<https://publons.com/researcher/2825454/razvan-george-d-ripeanu/>

<http://www.scopus.com/authid/detail.url?authorId=24067665900>

<https://scholar.google.com/citations?user=O-PYYnAAAAAJ&hl=ro>

(A) Ph.D. thesis, Habilitation thesis

- A1 **Ripeanu, R.G.**, *Cercetări privind creșterea durabilității cuplei cilindru-piston din compoziția pompelor de extracție, (Researches on increasing durability of cylinder-piston couple of rod pumps)* Universitatea Petrol-Gaze din Ploiești, 197 pg., Ploiești, 2003
- A2 **Ripeanu R.G.**, *Contribuții privind creșterea durabilității unor sisteme și echipamente tehnice, (Contributions on increasing durability of some systems and technical equipment)* Teza de abilitare în domeniul Inginerie Mecanică, Universitatea Petrol-Gaze din Ploiești, 135 pg., Ploiești, OMENCS nr.4837/11.08.2016.

(B) Books

B1. Books published in International Publishing Houses,

B1.1

B2. Books published in Publishing Houses recognized of CNCSIS,

- B2.1. **Ripeanu, R.G.**, Tudor, I., Zecheru, Gh., Trifan, C., Drumeantu, A.C., Dinita, A., *Ingineria Coroziunii și Managementul Riscului Rețelelor Metalice de Distribuție a Gazelor Naturale, (Corrosion Engineering and Risk Management of Metal Gas Distribution Networks)*, Ed. KARTA-GRAFIC Ploiești, (cod CNCSIS 340), 245 pg., ISBN 978-606-8312-94-1, Ploiești, 2013;
- B2.2. **Ripeanu, R.G.**, *Corrosion in drilling- Workover Applications*, Editura KARTA-GRAFIC Ploiești, (cod CNCSIS 340), 105pg, ISBN 978-606-8312-95-8, Ploiești, 2013;
- B2.3. **Ripeanu, R.G.**, *Coroziunea și protecția contra coroziunii conductelor, (Corrosion and pipes corrosion protection)*, Ed. KARTA-GRAFIC Ploiești, (cod CNCSIS 340), 126 pg., ISBN 978-606-8312-94-1, Ploiești, 2013;
- B2.4. Tudor, I., Zecheru, Gh., Drăghici, Gh., Ilie, E. Lața, **Ripeanu, R.G.**, Petrescu, M.G., Dinu, F., Georgescu, D., Roșu, B., *Protecția anticorozivă și reabilitarea conductelor și rezervoarelor, (Anticorrosion protection and rehabilitation of pipes and tanks)*, Ed. Univ. Petrol-Gaze din Ploiești, (cod CNCSIS 87), 448pg., ISBN 978-973-719-154-0, 2007;
- B2.5. **Ripeanu, R.G.**, *Tribocoroziunea pompelor de extracție, (Tribocorrosion of rod pumps)*, Editura Universității din Ploiești, (cod CNCSIS 87), 191 pg., ISBN 973-719-085-8, Ploiești, 2005;
- B2.6. Tudor, I., **Ripeanu, R.G.**, *Ingineria coroziunii, (Corrosion engineering) Vol.II*, Ed. Universității din Ploiești, (cod CNCSIS 87), 351 pg., ISBN 973-8150-32-9, Ploiești, 2002;
- B2.7. Tudor, I., **Ripeanu, R.G.**, *Ingineria coroziunii, (Corrosion engineering) Vol.I*, Ed. Universității din Ploiești, (cod CNCSIS 87), 301 pg., ISBN 973-8150-29-9, Ploiești, 2002.

Laboratory books,

- B2.8. Tudor, I., **Ripeanu, R.G.**, *Coroziunea și protecția suprafețelor-Îndrumar de lucrări practice, (Corrosion and surface protection)*, Ed. IMPRIMEX, 92 pg., ISBN 973-96751-7-4, Ploiești, 1997.

B3. Books in electronic format

- B3.1. **Ripeanu, R.G.**, *Protectie catodica, (Cathodic Protection)* Suport curs CONPET, 161 pg, 2012 (inclus in support curs Coroziunea Instalatiilor de Transport si depozitare- 190pg.)- format electronic;
- B3.2. **Ripeanu, R.G.**, *Corrosion in drilling- Module 2*, Suport curs OMV Petrom Well Academy, 101pg, 2011- format electronic- a fost multiplicat de OMV;
- B3.3. **Ripeanu, R.G.**, *Coroziunea și protecția contra coroziunii conductelor, (Corrosion and pipes corrosion protection)* Suport curs Asociația Patronala a Gazelor, 120pg., 2009- format electronic;
- B3.4. **Ripeanu, R.G.**, *Corrosion in drilling- Module 3*, Suport curs OMV Petrom Well Academy, 57pg, 2009- format electronic- a fost multiplicat de OMV;
- B3.5. **Ripeanu, R.G.**, *Monitorizarea, Diagnoza și Mantenanta Utilajului Petrolier, (Monitoring, Diagnosis and Maintenance of Petroleum Equipments)* suport curs PHARE Program Coeziune economică și socială, 73pg., 2005-2006- format electronic;
- B3.6. **Ripeanu, R.G.**, *Dinamica degradării sistemelor tehnice II, (Dynamic degradation of technical systems II)* - 100 pg- Curs dezvoltat pe platforma SIGMA in cadrul programului POSDRU 55585;

- B3.7. **Ripeanu, R.G.**, *Corrosion of petroleum and petrochemical equipments*, A17, Suport curs Dung Quat Refinery, Petroconsult, 19pg., 2007;
- B3.8. **Ripeanu, R.G.**, *Materials and corrosion*, B32, Suport curs Dung Quat Refinery, Petroconsult, 9pg., 2007;
- B3.9. **Ripeanu, R.G.**, *Tribology*, B38, Suport curs Dung Quat Refinery, Petroconsult, 18pg., 2007;
- B3.10. **Ripeanu, R.G.**, *Corrosion*, B35, Suport curs Dung Quat Refinery, Petroconsult, 17pg., 2007.

(C) Articles

C.1 Articles published in indexed Clarivate (WOS) journals,

- C1.1. Caltaru M, Badicioiu M, **Ripeanu R G**, Dinita A, Minescu M, Laudacescu E, *Tribological characterization of the drill pipe tool joints reconditioned by using welding technologies*, 9th International Conference on Tribology, BALKANTRIB'17 13-15 September, Cappadocia, TURKEY, 2017, Book Series: IOP Conference Series-Materials Science and Engineering Vol. 295, **2018**, pp.1-11, ISSN 1757-8981, <https://doi.org/10.1088/1757-899X/295/1/012010>, Bristol BS1 6BE, England,2018;
- C1.2. **Ripeanu R G**, Badicioiu M, Caltaru M, Dinita A, Laudacescu E, *Tribological characterization of the drill collars and casing friction couples*, 9th International Conference on Tribology, BALKANTRIB'17 13-15 September, Cappadocia, TURKEY, 2017, Book Series: IOP Conference Series-Materials Science and Engineering Vol. 295, **2018**, pp.1-10, ISSN 1757-8981, <https://doi.org/10.1088/1757-899X/295/1/012009>, Bristol BS1 6BE, England,2018;
- C1.3. Besleaga, C., Dumitru, V., Trinca, LM., Popa, AC., Negrila, CC., Kolodziejczyk, L., Luculescu, CR., Ionescu, GC., **Ripeanu, RG.**, Vladescu, A., *Mechanical, Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure, NANOMATERIALS* Vol. 7, No. 11, ISSN: 2079-4991, pp.1-26, Article Number: 394 [doi:10.3390/nano7110394](https://doi.org/10.3390/nano7110394) Published: NOV 2017;
- C1.4. **Ripeanu, R. G.**, *Design and technology parameters influence on durability for heat exchangers tube to tubesheet joints*, 13th International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016, Book Series: IOP Conference Series-Materials Science and Engineering Vol. 174, **2017**, pp.1-10, ISSN 1757-8981, <https://doi.org/10.1088/1757-899X/174/1/012043>, Bristol BS1 6BE, England,2017;
- C1.5. **Ripeanu, R. G.**, Ispas, A., Ispas, D., *Experimental analysis of axial and radial stress distribution in soft materials used for petrochemical valve stem sealing package*, 13th International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016, Book Series: IOP Conference Series-Materials Science and Engineering Vol. 174, **2017**, pp.1-8, ISSN 1757-8981, <https://doi.org/10.1088/1757-899X/174/1/012004>, Bristol BS1 6BE, England,2017;
- C1.6. Ionescu, G.C., Nae, I., **Ripeanu, R.G.**, Dinita, A., Stan, G., *Studies on Tribological Behavior of Aluminum Nitride-Coated Steel*, 13th International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 174, **2017**, pp.1-9, ISSN 1757-8981, <https://doi.org/10.1088/1757-899X/174/1/012052>, Bristol BS1 6BE, England,2017;
- C1.7. Filip, St. M., **Ripeanu, R.G.**, Avrigean, E., *Studies and Research on the Electrical Resistance of the Polyethylene Insulation Used for the Chemical Protection of the Steel Pipelines Intended for the Natural Gas Distribution*, MATERIALE PLASTICE, Vol. 54 , No. 1, **2017**, pp. 63-66, ISSN 0025-5289, <http://www.revmaterialeplastice.ro/archive.asp> , Bucuresti, Romania, 2017;
- C1.8. **Ripeanu, R.G.**, Minescu, M., Nita, C.A., *Wear behaviour of antifriction coatings applied at parallel gate valves*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.22, No.1, **2016**, pp.240-249, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2016;
- C1.9. Drumeau, A.C., **Ripeanu, R.G.**, *Corrosivity of some lubricating solutions based on organic polymers*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.21, No.1, **2015**, pp.211-221, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2015;
- C1.10. **Ripeanu, R.G.**, Badicioiu, M., Caltaru, M., *Reconditioning of drill collars by using welding technologies*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.21, No.2, **2015**, pp.314-328, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2015;
- C1.11. **Ripeanu, R.G.**, Ispas, V., Ispas, D, *Review above applying active anode protection at some dynamic petroleum equipment's in order to reduce wear*, FME Transactions, Ed. University of Belgrade,

Vol.43, No.3, 2015, pp.192-205, ISSN 1451-2092, <http://www.mas.bg.ac.yu/transactions/>, www.scopus.com, Belgrade, Serbia, 2015.

- C1.12. Caltaru, M., Badicioiu, M., **Ripeanu, R.G.**, *Establishing the tribological behavior of the HVOF hardfacing applied at petroleum gate valves*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.19, No.3, **2013**, pp.448-460, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2013;
- C1.13. Cursaru, D.L., Ramadan, I., Tănasescu, C., **Ripeanu, R.G.**, *Study of the Tribological behavior of different carbonaceous nanomaterials such as antiwear additives for an environmental friendly lubricant*, Digest Journal of Nanomaterials and Biostructures, Vol.8, No.2, April-June **2013**, ISSN:1842-3582, pp. 805-815, <http://www.chalcogen.infim.ro/digest.html> , Bucuresti, Romania, 2013;
- C1.14. Cursaru, D.L., Andronescu, C., Pirvu, C., **Ripeanu, R.G.**, *The efficiency of Co-based single wall carbon nanotubes (SWNTs) in comparison with a commercial additive as AW and EP additives to mineral base oil*, Wear, Ed. Elsevier B.V. Olanda, Vol. 290-291, 30 June **2012**, pp. 133-139, ISSN: 0043-1648, <http://dx.doi.org/10.1016/j.wear.2012.04.019> , Amsterdam 1043 NX, Olanda, 2012;
- C1.15. **Ripeanu, R.G.**, Ispas, V., Ispas, D., *Tribological behaviour of brake bands*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.18, No.1, **2012**, pp.28-35, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2012;
- C1.16. **Ripeanu, R.G.**, Ispas, V., Ispas, D., *Austenitic stainless steel type AISI 316L corrosive behaviour in hair shampoo medium*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.18, No.1, **2012**, pp.36-43, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2012;
- C1.17. Braic, M., Braic, V., Balaceanu, M., Zoita, C.N., Kiss, A., Vladescu, A., Popescu, A., **Ripeanu, R.G.**, *Structure and properties of Zr/ZrCN coatings deposited by cathodic arc method*, Mater. Chem. Phys. (2011), *Materials Chemistry and Physics*, Ed. Elsevier B.V. Olanda, Vol.126, No.3, **2011**, pp.818-825, ISSN 0254-0584, [doi:10.1016/j.matchemphys.2010.12.036](http://dx.doi.org/10.1016/j.matchemphys.2010.12.036), Amsterdam 1043 NX, Olanda, 2011.
- C1.18. Drumeau, A.C., **Ripeanu, R.G.**, *Metallic element design of the tribo-thermal stressed dry friction couples*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.16, No.3, **2010**, pp.362-372, ISSN 1310-4772, <http://scibulcom.net/jbtan.php> Sofia, Bulgaria, 2010;
- C1.19. Drumeau, A.C., Antonescu, N.N., **Ripeanu, R.G.**, *Some aspects concerning the experimental determination methodology for the non-isothermal cyclic durability of the machine steels*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.16, No.3, **2010**, pp.315-328, ISSN 1310-4772, <http://scibulcom.net/jbtan.php> Sofia, Bulgaria, 2010;
- C1.20. Dragomir, D., Cojocaru, M., Alexa, M., **Ripeanu, R.G.**, Drumeau, A.C., *Nitriding technologies using process sensors in view of obtaining of resistant layers against corrosion and wear* Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.16, No.1, **2010**, pp.80-87, ISSN 1310-4772, <http://scibulcom.net/jbtan.php> Sofia, Bulgaria, 2010;
- C1.21. Tudor, I., Popescu, A., **Ripeanu, R.G.**, Drumeau, A.C., Braic, V., Balaceanu, M., Vladescu, A., Braic, M., *Tribological behavior of TiSiN/Ti and TiSiN/Cu multilayer coatings*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.15, No.2, **2009**, pp.156-162, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2009;
- C1.22. **Ripeanu, R.G.**, Tudor, I., Dinu, F., *Research about the efficiency of active anode protection at centrifugal pumps*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.15, No.2, **2009**, pp.193-201, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2009;
- C1.23. Florea, O., Luca, M., **Ripeanu, R.G.**, *Environmentally friendly thread compounds for casing, tubing and line pipe*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.15, No.2, **2009**, pp.292-297, ISSN 1310-4772, <http://scibulcom.net/jbtan.php> Sofia, Bulgaria, 2009;
- C1.24. Balaceanu, M., Braic, V., Braic, M., Vladescu, A., Zoita, C.N., Grigorescu, C.E., Grigore, E., **Ripeanu, R.G.**, *Characteristics of Ti-Nb, Ti-Zr and Ti-Al containing hydrogenated carbon nitride films*, Solid State Sciences, Ed. Elsevier B.V. Olanda, Vol. 11, No.10, 2009, pp.1773-1777, ISSN 1293-2558, [doi:10.1016/j.solidstatosciences.2008.12.001](http://dx.doi.org/10.1016/j.solidstatosciences.2008.12.001) , Amsterdam 1043 NX, Olanda,, 2009.
- C1.25. **Ripeanu, R.G.**, Drumeau, A.C., Luca, M., Ripeanu, L., *Establishment of the influence of soybean oil on wear behavior of cutting tools durability*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.14, No.4, **2008**, pp.490-499, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2008;
- C1.26. Drumeau, A., **Ripeanu, R.G.**, Matei, G.M, *Metalworking fluids based on vegetable oil and synthetic esters used for turning operations*, Journal of the Balkan Tribological Association, Vol.14, No.4, **2008**, p.551-559, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, 2008;

- C1.27. Balaceanu, M., Braic, V., Kiss, A., Zoita, C.N., Vladescu, A., Braic, M., Tudor, I., Popescu, A., **Ripeanu, R.G.**, Logofatu, C. and Negrila, C.C., *Characteristics of arc plasma deposited TiAlZrCN coatings*, Surface and Coatings Technology, Ed. Elsevier B.V. Olanda, Vol.202, No.16, **2008**, pp.3981-3987, ISSN 0257-8972, [doi:10.1016/j.surfcoat.2008.02.005](https://doi.org/10.1016/j.surfcoat.2008.02.005), Amsterdam 1043 NX, Olanda, 2008.
- C1.28. Vladescu, A., Kiss, A., Popescu, A., Braic, M., Balaceanu, M., Braic, V., Tudor, I., Logofatu, C., Negrila, C. C. and **Ripeanu, R.G.**, *Influence of Bilayer Period on the Characteristics of Nanometre-Scale ZrN/TiAIN Multilayers*, J. Nanosci. Nanotechnol., Ed. American Scientific Publishers, Vol.8, No.2, **2008**, pp. 717-721, ISSN 1533-4880, http://www.aspbs.com/jnn/contents_jnn2008.htm#v8n2, Valencia, California 91381-0751, USA, 2008, <http://www.ncbi.nlm.nih.gov/sites/entrez>, IngentaConnect DOI: [10.1166/jnn.2008.D218](https://doi.org/10.1166/jnn.2008.D218), California USA, 2008;
- C1.29. Manea, F., Tudor, I., **Ripeanu, R.G.**, *Acțiunea corosivă a apelor de zăcământ asupra componentelor metalice ale pompelor de extracție a petrolului*, (The corrosive behaviour of petroliferous waters on metallic components of extraction downhole pumps) Rev. De Chimie din România, Ianuarie **2005**, Vol.56, pp.103-105, RCBUAU 56 (1)-2005, ISSN 0034-7752, București, <http://www.revistadechimie.ro/>, 2005.

C.2 Articles published in BDI journals,

- C2.1. Caltaru, M.M., **Ripeanu, R.G.**, Badicioiu, M. and Zisopol, D.G., *Experimental Researches to Establish the Optimum Hardbanding Technology and Materials of the Heavy Weight Drill Pipe*, MATEC Web Conf., 318 (2020), pp.1-6, eISSN: 2261-236X, <https://doi.org/10.1051/matecconf/202031801011>, EDP Sciences Published online: 14 August 2020;
- C2.2. Patirnac, I., **Ripeanu, R.G.**, and Laudacescu, E., *The Influence of the AWJM Working Parameters on Manufactured Surfaces Microgeometry*, MATEC Web Conf., 318 (2020) pp.1-6, eISSN: 2261-236X, <https://doi.org/10.1051/matecconf/202031801011>, EDP Sciences Published online: 14 August 2020;
- C2.3. Patirnac, I., **Ripeanu, R.G.**, Laudacescu, E., *Abrasive flow modelling through active parts water jet machine using CFD simulation*, The 14th International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, 2020, pp.1-7, ISSN 1757-899X, <https://doi.org/10.1088/1757-899X/724/1/012001>, Bristol BS1 6BE, England,2020;
- C2.4. Dudu, C., Drumeau, A.C., **Ripeanu, R.G.**, Dinita, A., *Some considerations regarding the influence of working conditions on the corrosion wear of the injection water treatment plant equipment*, The 14th International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, 2020, pp.1-7, ISSN 1757-899X, <https://doi.org/10.1088/1757-899X/724/1/012033>, Bristol BS1 6BE, England,2020;
- C2.5. Lospa, A., **Ripeanu, R.G.**, Dinita, A., Erosion modelling: A systematic review of available models and equations, The 14th International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, 2020, pp.1-11, ISSN 1757-899X, <https://doi.org/10.1088/1757-899X/724/1/012037>, Bristol BS1 6BE, England,2020;
- C2.6. Bogdan-Roth M., Romanet M., **Ripeanu R.G.**, *Eccentric device for varying the gear ratio*, The 14th International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, 2020, pp.1-7, ISSN 1757-899X, <https://doi.org/10.1088/1757-899X/724/1/012010>, Bristol BS1 6BE, England,2020;
- C2.7. Hagianu, A., Nae, I., Ionescu, G.C., **Ripeanu, R.G.**, Research on mechanical and geometrical characteristics of materials used for flexible tubing production, The 14th International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, **2020**, pp.1-10, ISSN 1757-899X, <https://doi.org/10.1088/1757-899X/724/1/012004>, Bristol BS1 6BE, England,2020;
- C2.8. Dudu C, **Ripeanu R.G.**, Drumeau A.C., Dinita A., Lospa A.M., *Evaluation of the corrosion wear speed of different equipment in the water injection treatment plant*, The 10th Internaional Conference of Product Design, Robotics, Advanced Mechanical &Mechatronic Systems and Innovation Conference (PRASIC 18), 8-9 November 2018, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 514, **2019**, pp.1-8, ISSN 1757-899X, <https://doi.org/10.1088/1757-899X/514/1/012008>, Bristol BS1 6BE, England,2019 <https://www.scopus.com/authid/detail.uri?authorId=24067665900>;
- C2.9. Lospa A.M., **Ripeanu R.G.**, Dinita A., and Dudu C., *CFD Evaluation of sand erosion wear rate in pipe bends used in technological installations*, The 10th Internaional Conference of Product Design, Robotics, Advanced Mechanical &Mechatronic Systems and Innovation Conference (PRASIC 18), 8-9 November 2018, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 514,

- 2019, pp.1-8, ISSN 1757-899X, <https://doi.org/10.1088/1757-899X/514/1/012009>, Bristol BS1 6BE, England,2019 <https://www.scopus.com/authid/detail.uri?authorId=24067665900>;
- C2.10. Pătîrnac, I., **Ripeanu, R.G.**, *Review on Erosion Processes at Abrasive Waterjet Machining*, Buletinul Universității Petrol-Gaze din Ploiești, Vol. LXIX Seria Tehnică nr.4/2017, pp.28-44, www.bulletin.upg-ploiesti.ro, ISSN 1224-8495, Ploiești, 2017.
- C2.11. **Ripeanu, R.G.**, *Studies above erosion behavior of rotor turbine materials*, Tribological Journal Bultrib, Publ House TU Sofia, Vol. IV, 2014, pp.34-39, ISSN 1313-9878, (<http://www.bultrib.com>), Sofia, Bulgaria, 2014.
- C2.12. **Ripeanu, R.G.**, Ispas, V., Ispas, D., *Studies regarding improving sealing at three cone bits bearings*, Tribological Journal Bultrib, Publ House TU Sofia, Vol. IV, 2014, pp.40-46, ISSN 1313-9878, (<http://www.bultrib.com>), Sofia, Bulgaria, 2014.
- C2.13. Onițiu, O, **Ripeanu, R.G.**, *Diminishing Erosion Wear of Centrifugal Pump Rotor Made of Austenitic Stainless Steel by Nitriding Thermochemical Treatments*, Buletinul Universității Petrol-Gaze din Ploiești, Vol. LXVI Seria Tehnică nr.2/2014, pp.59-64, www.bulletin.upg-ploiesti.ro, ISSN 1224-8495, Ploiești, 2014
- C2.14. **Ripeanu, R.G.**, Metea, V., Pupazescu, Al., *Studies regarding soil induced stresses in buried steel gas pipes*, Tribological Journal Bultrib, Publ House TU Sofia, Vol. III, 2013, pp.123-129, ISSN 1313-9878, (<http://www.bultrib.com>), Sofia, Bulgaria, 2013.
- C2.15. Flueraru, D., **Ripeanu, R.G.**, *Thermite welding*, Buletinul Universității Petrol-Gaze din Ploiești, Vol. LXV Seria Tehnică nr.2/2013, pp.62-68, ISSN 1224-8495, www.bulletin.upg-ploiesti.ro , Ploiești, 2013.
- C2.16. Iancu, M., **Ripeanu, R.G.**, Tudor, I., *Heat exchangers tube to tube sheet joints corrosion behavior*, Tribology in Industry, Vol. 35, no. 1, pp. 19-24, YU ISSN 0354-8996, Kragujevac, <http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642>, www.scopus.com, Serbia, 2013.
- C2.17. **Ripeanu, R.G.**, *A Method to Evaluate the Durability of Sucker Rod Pumps and to Reduce Corrosive Wear*, The Annals of University "Dunărea de Jos" of Galați, Fascicle VIII, Tribology, Vol. XVII, Issue 1, 2011, pp.81-85, ISSN 1221-4590, <http://www.om.ugal.ro/AnnalsFasc8Tribology/index.htm> Galați, , www.csa.com/ids70/serials_source_list.php?db=mechtrans-set-c, Galati, Romania, 2011.
- C2.18. Onitiu, O., **Ripeanu, R.G.**, Tudor, I., *Nitriding Treatments Influence Above Tribologic Behavior of Austenitic Stainless Steels*, Bulletin of the Polytechnic Institute of Iasi, Vol. LVII(LXI), Fasc.2, 2011, pp.53-58, ISSN 1011-2855, Iasi, www.cm.tuiasi.ro/Buletin/sectia_cm/html/en/index_cm.htm, <http://journals.indexcopernicus.com/karta.php?id=4963>, Iasi, Romania, 2011
- C2.19. **Ripeanu, R.G.**, Tudor, I., Zidaru, I., Drumeau, A.C., *The lubricant and implants influence above tribological behavior at three cone bits bearings*, Publishing House of Institute for Sustainable Technologies - National Research Institute, http://t.tribologia.org/w/tiki-read_article.php?articleId=34, <http://baztech.icm.edu.pl/baztech/cgi-bin/btgetdoc.cgi?BOS5-0024-0016>, Scientific problems of machines operation and maintenance, 1 (161), vol. 45, 2010, pp: 25 – 30, ISSN 0137-5474, Radom, Polonia. 2010.
- C2.20. **Ripeanu, R.G.**, Tudor, I., *Aggressivity of Hair Shampoo above Stainless Steel Type AISI 316L*, Buletinul Universității Petrol-Gaze din Ploiești, Vol. LXII Seria Tehnică nr.4A/2010, pp.53-58, www.bulletin.upg-ploiesti.ro, ISSN 1224-8495, Ploiești, 2010
- C2.21. Metea, V., **Ripeanu, R.G.**, Tudor, I., *Soil Resistivity Around Gas Pipelines*, Buletinul Universității Petrol-Gaze din Ploiești, Vol. LXII Seria Tehnică nr.4A/2010, pp.63-68, www.bulletin.upg-ploiesti.ro, ISSN 1224-8495, Ploiești, 2010
- C2.22. Drumeau, A.C., Paraschivou, S., Tudor, I., **Ripeanu, R.G.**, *Specific phenomena that characterize thermal fatigue wear of the forging die steels*, Publishing House of Institute for Sustainable Technologies - National Research Institute, http://t.tribologia.org/w/tiki-read_article.php?articleId=28, <http://baztech.icm.edu.pl/baztech/cgi-bin/btgetdoc.cgi?BOS3-0022-0002>, Scientific problems of machines operation and maintenance, 4 (160), vol. 44, 2009, pp: 13 – 20, ISSN 0137-5474, Radom, Polonia. 2009.
- C2.23. Zidaru, I., **Ripeanu, R.G.**, Tudor, I., Drumeau, A.C., *Research regarding the improvements of tribological behavior in three cone bits bearings*, FME Transactions, Ed. University of Belgrade, Vol.37, No.2, 2009, pp.99-102, ISSN 1451-2092, <http://www.mas.bg.ac.yu/transactions/>, www.scopus.com, Belgrade, Serbia, 2009.
- C2.24. **Ripeanu, R.G.**, Tudor, I., Dinu, F., *Research about the efficiency of active anode protection at centrifugal pumps*, Tribology in Industry, Vol. 30, no. 1-2, pp. 11-16, YU ISSN 0354-8996, Kragujevac, <http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642>, www.scopus.com, Serbia, 2008.

- C2.25. Flueraru, F., **Ripeanu, R.G.**, Luca, M., Popescu, D., *Future trends in corrosion protecting coatings used in manufacturing processes*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.12, No.4, 2006, pp.572-580, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, <http://universityofncarolinaatpembroke.worldcat.org/profiles/Ripeanu/lists/1863957>, 2006.
- C2.26. Tudor, I., **Ripeanu, R.G.**, Badoiu, D., *Device and simulator for testing pairs of materials used for joints design*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.12, No.3, 2006, pp.262-266, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 2006.
- C2.27. **Ripeanu, R.G.**, Tudor, I., Tache, A., *Establishment of the durability of some hard PVD coated drills*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.12, No.3, 2006, pp.267-271, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 2006.
- C2.28. **Ripeanu, R.G.**, Antonescu, L., *Welding joints- a critical zone for methane gas pipes*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.12, No.3, 2006, pp.277-282, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 2006.
- C2.29. Antonescu, N.N., **Ripeanu, R.G.**, *Research regarding functional parameters influence on corrosion rate at crude oil pipes*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.11, No.4, 2005, pp.460-471, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 2005.
- C2.30. **Ripeanu, R.G.**, *Establish the reliability of piston-cylinder couple of downhole pumps*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.11, No.3, 2005, pp.384-394, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 2005.
- C2.31. Tudor, I., **Ripeanu, R.G.**, *Galvanic cathodic protection influence for diminishing wear in corroding medium*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.11, No.3, 2005, pp.395-403, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 2005.
- C2.32. Tudor, I., Popescu, A.A., **Ripeanu, R.G.**, Balaceanu, M., Braic, V., Braic, M., *Tribological characteristics of superhard Ti(C,N) coating deposited on milling cutters*, Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.11, No.3, 2005, pp.404-408, ISSN 1310-4772, <http://scibulcom.net/jbtan.php>, Sofia, Bulgaria, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 2005.
- C2.33. Tudor, I., Popescu, A., **Ripeanu, R.G.**, Balaceanu, M., Braic, V., Braic, M., *Tribological characteristics of superhard Ti (C, N) coating deposited on milling cutters*, Tribology in Industry, Vol. 26, no. 1-2, pp. 48-51, YU ISSN 0354-8996, Kragujevac, <http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642>, www.scopus.com, 2004.
- C2.34. Tudor, I., **Ripeanu, R.G.**, *Minimising wear by weld covering with metallic carbide recovered at grinding*, Tribology in industry, Vol. 19, no.3, pp.124-127, YU ISSN 0354-8996, Kragujevac, <http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642>, www.scopus.com, 1997.

C.3 Articole publicate în reviste naționale de categoriile B+ și B, în cotarea CNCSIS, , (Articles published in Romanian journals B+ and B, CNCSIS)

- C3.1. Braic, V., Braic, M., Balaceanu, M., Popescu, A., **Ripeanu, R.G.**, Tudor, I., *Mechanical and tribological characteristics of hard multilayer coatings deposited by arc cathodic technique*, Petroleum-Gas University of Ploiești Bulletin, Vol. LX, Mathematics-Informatics- Physics Series no.2/2008, pp.109-114, www.bulletin.upg-ploiesti.ro, ISSN 1224-4899, Ploiești, 2008
- C3.2. Bădoiu, D., Tudor, I., **Ripeanu, R.G.**, *Stabilirea unor parametri funcționali ai unui dispozitiv de testare a cuplurilor de materiale folosite în construcția articulațiilor*, Buletinul Universității Petrol-Gaze din Ploiești, Vol. LVII Seria Tehnică nr.2/2005, pp.125-128, ISSN 1221-9371, Ploiești, 2005
- C3.3. Tudor, I., Grigore, V., Dinu, F., **Ripeanu, R.G.**, *Reducerea intensității procesului de uzare în mediu corosiv prin protecție catodică*, Buletinul Universității Petrol-Gaze din Ploiești, Vol. LVI Seria Tehnică nr.2/2004, pp.80-86, ISSN 1221-9371, Ploiești, 2004
- C3.4. **Ripeanu, R.G.**, Tudor, I., *Research regarding downhole pumps wear which works in crude oil wells with high CO₂ ratio*, The Annals of University "Dunărea de Jos" of Galați, Fascicle VIII, Tribology, pp.204-

207, ISSN 1221-4590, www.om.ugal.ro/AnnalsFasc8Tribology, Galați, <http://0-zetoc.mimas.ac.uk.catalogue.ulrls.lon.ac.uk/>,
www.csa.com/ids70/serials_source_list.php?db=mechtrans-set-c, 2003

- C3.5. Tudor, I., Grigore, V., Zecheru, Gh., Drăghici, Gh., Dinu, F., **Ripeanu, R.G.**, Mocănescu, F., *Cathodic protection effect against abrasive wear value in corroding medium*, Journal of Petroleum-Gas University Ploiești, Vol. LI-1999, nr.3, pp.87-92, ISSN 1221-9371, Ploiești, 1999

C.4 Articles published in journals non indexed, (Other journal published articles)

- C4.1. Tudor, I., **Ripeanu, R.G.**, Grigore, V., Dinu, F., *Comportarea la coroziune în apă de zăcământ cu CO₂ a unor materiale de pompe de extracție*, Jurnalul de petrol și gaze, februarie 2 (92) 2007, pp. 58-60, ISSN 1454-6140, www.usiromania.ro, 2007

(D) Articles/studies published (presented) at international or national conferences,

- D.1. Patirnac, I., **Ripeanu, R.G.**, Laudacescu, E., *Abrasive flow modelling through active parts water jet machine using CFD simulation*, **The 14th International Conference on Tribology** September 19-21, 2019 – Cluj Napoca, https://minas.utcluj.ro/rotrib_program.html#header16-9, ROMANIA;
- D.2. Dudu, C., Drumeau, A.C., **Ripeanu, R.G.**, Dinita, A., *Some considerations regarding the influence of working conditions on the corrosion wear of the injection water treatment plant equipment*, **The 14th International Conference on Tribology** September 19-21, 2019 – Cluj Napoca, https://minas.utcluj.ro/rotrib_program.html#header16-9, ROMANIA;
- D.3. Lospa, A., **Ripeanu, R.G.**, Dinita, A., *Erosion modelling: A systematic review of available models and equations*, **The 14th International Conference on Tribology** September 19-21, 2019 – Cluj Napoca, https://minas.utcluj.ro/rotrib_program.html#header16-9, ROMANIA;
- D.4. Bogdan-Roth M., Romanet M., **Ripeanu R.G.**, *Eccentric device for varying the gear ratio*, **The 14th International Conference on Tribology** September 19-21, 2019 – Cluj Napoca, https://minas.utcluj.ro/rotrib_program.html#header16-9, ROMANIA;
- D.5. Hagianu, A., Nae, I., Ionescu, G.C., Ripeanu, R.G., *Research on mechanical and geometrical characteristics of materials used for flexible tubing production*, **The 14th International Conference on Tribology** September 19-21, 2019 – Cluj Napoca, https://minas.utcluj.ro/rotrib_program.html#header16-9 ROMANIA;
- D.6. Bogdan-Roth M., Romanet M., **Ripeanu R.G.**, *Device for machining non-circular gears*, Proceedings on Engineering Science **16th International Conference on Tribology**, 15 – 17 May, 2019, <http://www.serbiatrib.mfkg.rs/>, Vol. 1, No. 1 (2019), ISSN: 2620-2832 pp.449-453, Kragujevac, Serbia;
- D.7. Hagianu A., Nae I., Ionescu G.C., **Ripeanu R.G.**, Dinita A., Ramadan I.N., *Research and studies on flexible tubing wearing*, Proceedings on Engineering Science **16th International Conference on Tribology**, 15 – 17 May, 2019, <http://www.serbiatrib.mfkg.rs/>, Vol. 1, No. 1 (2019), ISSN: 2620-2832 pp.321-329, Kragujevac, Serbia;
- D.8. Dudu C., **Ripeanu R.G.**, Drumeau A.C., Dinita A., Lospa A.M., *Evaluation of the corrosion wear speed of different equipment in the water injection treatment plant*, **The 10th Internaional Conference of Product Design, Robotics, Advanced Mechanical &Mechatronic Systems and Innovation Conference** (PRASIC 18), 8-9 November 2018, http://old.unitbv.ro/Portals/9/Evenimente/Prasic/final_program.htm, Brasov, Romania, 2018;
- D.9. Lospa A.M., **Ripeanu R.G.**, Dinita A., and Dudu C., *CFD Evaluation of sand erosion wear rate in pipe bends used in technological installations*, **The 10th Internaional Conference of Product Design, Robotics, Advanced Mechanical &Mechatronic Systems and Innovation Conference** (PRASIC 18), 8-9 November 2018, http://old.unitbv.ro/Portals/9/Evenimente/Prasic/final_program.htm, Brasov, Romania, 2018;
- D.10. Caltaru M., Badicioiu M., **Ripeanu R G**, Dinita A., Minescu M., Laudacescu E., *Tribological characterization of the drill pipe tool joints reconditioned by using welding technologies*, **9th International Conference on Tribology**, BALKANTRIB'17 13-15 September, Cappadocia, TURKEY <https://balkantrib2017.com/>;
- D.11. **Ripeanu R G**, Badicioiu M., Caltaru M., Dinita A., Laudacescu E., *Tribological characterization of the drill collars and casing friction couples*, **9th International Conference on Tribology**, BALKANTRIB'17 13-15 September, Cappadocia, TURKEY <https://balkantrib2017.com/>;
- D.12. **Ripeanu R. G.**, Design and technology parameters influence on durability for heat exchangers tube to tubesheet joints, Proceedings of ROTRIB'16, **13th International Conference on Tribology**, 22-24 September, 2016, pp.1-9, <http://www.rotrib16.ugal.ro/index.php/rotrib/rotrib2016>, Galati, Romania, 2016.

- D.13. **Ripeanu R. G.**, Ispas, A., Ispas, D., *Experimental analysis of axial and radial stress distribution in soft materials used for petrochemical valve stem sealing package*, Proceedings of ROTRIB'16, **13th International Conference on Tribology**, 22-24 September, 2016, pp.1-7, <http://www.rotrib16.ugal.ro/index.php/rotrib/rotrib2016>, Galati, Romania, 2016.
- D.14. Ionescu G. C., Nae I., **Ripeanu R. G.**, Dinita A. and Stan G., *Studies on Tribological Behavior of Aluminum Nitride-Coated Steel*, Proceedings of ROTRIB'16, **13th International Conference on Tribology**, 22-24 September, 2016, pp.1-8, <http://www.rotrib16.ugal.ro/index.php/rotrib/rotrib2016>, Galati, Romania, 2016.
- D.15. **Ripeanu R. G.**, Ispas, V., Ispas, D., *Review above applying active anode protection at some dynamic petroleum equipment's in order to reduce wear*, Proceedings of Serbiatrib 15, **14th International Conference on Tribology**, 13-15 May, 2015, <http://www.serbiatrib.mfkg.rs/>, pp.116-125, ISBN 978-86-7083-857-4, Belgrade, Serbia, 2015.
- D.16. Popa, I., **Ripeanu, R.G.**, Popa, R.G., *Researches above tensile stress corrosion wear behavior in metallic elements of a free-standing portable mast*, Proceedings of the **8th International Conference on Tribology Balkantrib'14**, 30 Oct- 1 Nov. 2014, <http://balkantrib.upg-ploiesti.ro/>, pp.451-454, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014.
- D.17. Drumeau, A.C., **Ripeanu, R.G.**, *The Corrosivity of Some Lubricating Solutions Based on Organic Polymers*, Proceedings of the **8th International Conference on Tribology Balkantrib'14**, 30 Oct- 1 Nov. 2014, <http://balkantrib.upg-ploiesti.ro/>, pp.459-465, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014.
- D.18. Grigore, N., **Ripeanu, R.G.**, Nae, I., *About the Carrying Ability of Assembly Using the Closing Bracelet*, Proceedings of the **8th International Conference on Tribology Balkantrib'14**, 30 Oct- 1 Nov. 2014, <http://balkantrib.upg-ploiesti.ro/>, pp.728-733, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014.
- D.19. **Ripeanu, R.G.**, Minescu, M., Nita, C.A., *Wear behavior of antifriction coatings applied at parallel gate valves*, Proceedings of the **8th International Conference on Tribology Balkantrib'14**, 30 Oct- 1 Nov. 2014, <http://balkantrib.upg-ploiesti.ro/>, pp.489-494, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014.
- D.20. **Ripeanu, R.G.**, Badicioiu, M., Caltaru, M., *Research regarding the reconditioning of drill collars by using welding technologies*, Proceedings of the **8th International Conference on Tribology Balkantrib'14**, 30 Oct- 1 Nov. 2014, <http://balkantrib.upg-ploiesti.ro/>, pp.478-488, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014.
- D.21. **Ripeanu, R.G.**, *Studies above erosion behavior of rotor turbine materials*, **10th National Conference on Tribology with International Participation BULTRB'13**, 24-26 October 2013 (<http://www.bultrib.com>), Sofia, Bulgaria, 2013.
- D.22. **Ripeanu, R.G.**, Ispas, V., Ispas, D., *Studies regarding improving sealing at three cone bits bearings*, **10th National Conference on Tribology with International Participation BULTRB'13**, 24-26 October 2013 (<http://www.bultrib.com>), Sofia, Bulgaria, 2013.
- D.23. **Ripeanu, R.G.**, Ulmanu, V., Minescu, M., *Tribological characterisation of HVOF hardfacing applied at parallel slide gate valves*, Proceedings of the **OilDoc Conference 2013, Lubricants, Maintenance, Tribology**, www.oildoc.com/conference-2013, USB-flash, 22-24 January, Rosenheim, Bavaria, Germany, 2013
- D.24. **Ripeanu, R.G.**, Metea, V., Pupazescu, Al., *Studies regarding soil induced stresses in buried steel gas pipes*, **9th National Conference on Tribology with International Participation BULTRB'12**, 18-20 October 2012 (<http://www.bultrib.com>), Sofia, Bulgaria, 2012
- D.25. Drumeau, A.C., **Ripeanu, R.G.**, *Some Considerations Concerning Corrosiveness of Lubricating Solutions based on Polyacrylamide*, Proceedings of **18th International Colloquium Tribology 2012, Industrial and Automotive Lubrication**, Technische Akademie Esslingen, pp.28 www.tae.de/tribology/, www.scopus.com, ISBN 3-924813-97-3, Ed. Wilfried J. Bartz si CD, 10-12 January, Ostfildern, Germany, 2012
- D.26. **Ripeanu, R.G.**, Drumeau, A.C., **Ispas, V.**, *The Temperature Influence above Tribological Behavior of Brake Bands*, Proceedings of **18th International Colloquium Tribology 2012, Industrial and Automotive Lubrication**, Technische Akademie Esslingen, pp.163 www.tae.de/tribology/, www.scopus.com, ISBN 3-924813-97-3, Ed. Wilfried J. Bartz si CD, 10-12 January, Ostfildern, Germany, 2012
- D.27. Cursaru, D.L., Tanasescu, C., **Ripeanu, R.G.**, *The Tribological Behavior of a Commercial Additive and Single Walled Carbon Nanotubes (SWNT) as Antiwear Additives for SAE 20 Base Oil Tribological Characteristics of Lubricant Solutions based on Polyacrylamide*, Proceedings of **18th International**

Colloquium Tribology 2012, **Industrial and Automotive Lubrication**, Technische Akademie Esslingen, pp.135 www.tae.de/tribology/, www.scopus.com, ISBN 3-924813-97-3, Ed. Wilfried J. Bartz si CD, 10-12 January, Ostfildern, Germany, 2012

- D.28. **Ripeanu R. G.**, Ispas, V., Ispas, D., *Tribological behavior of brake bands*, Proceedings of the **7th Balkantrib'11 International Conference on Tribology**, pp.255-261, <http://ithaki.meng.auth.gr/confces/ConfProgr.htm>, ISBN 978-960-98780-6-7, 3-5 October Thessaloniki, Greece, 2011
- D.29. **Ripeanu R. G.**, Ispas, V., Ispas, D., *Austenitic stainless steel type AISI316L corrosive behavior in hair shampoo medium*, Proceedings of the **7th Balkantrib'11 International Conference on Tribology**, pp.41-47, <http://ithaki.meng.auth.gr/confces/ConfProgr.htm>, ISBN 978-960-98780-6-7, 3-5 October Thessaloniki, Greece, 2011
- D.30. Cursaru D., Tanasescu C., Ciuparu D., **Ripeanu R. G.**, *The Tribologic Properties of Fatty Acid Methyl Esters and Single Wall Carbon Nanotubes*, Proceedings of the **3^{ed} European Conference on Tribology ECOTRIB 2011, and 4th International Conference on Nano-Technology- Viennano'11**, pp.851-852, <http://www.oetg.at/ecotrib2011/>, ISBN 978-3-901657-38-2, 7-9 June Vienna, Austria, 2011
- D.31. Iancu, M., **Ripeanu, R.G.**, Tudor, I., *Heat exchangers tube to tube sheet joints corrosion behavior*, Proceedings of the **12th International Conference on Tribology**, SERBIATRIB'11, pp.51-55., <http://www.serbiatrib.mfkgs.rs/proceedings.pdf>, ISBN 978-86-86663-74-0, 11-13 May 2011, Kragujevac, Serbia, 2011
- D.32. **Ripeanu, R.G.**, Drumeau, A.C., Orban, T., *Cutting proprieties evaluation of metalworking fluids*, Proceedings of the **OilDoc Conference 2011 Lubricants, Maintenance, Tribology**, www.oildoc.com/conference-2011, USB-flash, 1-3 February, Rosenheim, Bavaria, Germany, 2011
- D.33. Drumeau, A.C., **Ripeanu, R.G.**, *Polyacrylamide-A Challenge in Lubrication*, Proceedings of the **OilDoc Conference 2011 Lubricants, Maintenance, Tribology**, www.oildoc.com/conference-2011, USB-flash, 1-3 February , Rosenheim, Bavaria, Germany, 2011
- D.34. Onitiu, O., **Ripeanu, R.G.**, Tudor, I., *Nitriding Treatments Influence Above Tribologic Behavior of Austenitic Stainless Steels*, Proceedings of the ROTRIB 2010 **11th International Conference on Tribology**, Technical University „Gh. Asachi“ of Iasi, pp.RO-0191-6, <http://www.rotrib10.tuiasi.ro>, ISSN 2069-1718, 4-7 November, Iasi, Romania, 2010
- D.35. Drumeau, A.C., Paraschivou, S.T., Tudor, I., **Ripeanu, R.G.**, *Microstructure Transformations that Characterize Thermal Fatigue Wear of the Forging Die Steels*, Proceedings of **26th International Scientific Conference 2010**, 65 Years Faculty of Machine Technology 100 Years Birth Anniversary of Acad. Anghel Balevski, Technical University of Sofia, pp.480-485, http://mtf.tu-sofia.bg/Proceedings_MTF65_H.pdf, http://mtf.tu-sofia.bg/Program_ENG.pdf, ISBN: 978-954-438-854-6, 13-16 September, Sozopol, Bulgaria, 2010
- D.36. **Ripeanu, R.G.**, Tudor, I., Onitiu, O., *Improving Tribological Behavior of Austenitic Stainless Steels by Nitriding Treatments*, Proceedings of **26th International Scientific Conference 2010**, 65 Years Faculty of Machine Technology 100 Years Birth Anniversary of Acad. Anghel Balevski, Technical University of Sofia, pp.492-496, http://mtf.tu-sofia.bg/Proceedings_MTF65_H.pdf, http://mtf.tu-sofia.bg/Program_ENG.pdf, ISBN: 978-954-438-854-6, 13-16 September, Sozopol, Bulgaria, 2010
- D.37. **Ripeanu, R.G.**, Drumeau, A.C., Luca, M., Orban, T., *Tribological Behavior of Metalworking Fluids*, Proceedings of **17th International Colloquium Tribology 2010**, Solving Friction and Wear Problems, Vol.1, 2010, Technische Akademie Esslingen, pp.738-743, www.tae.de/tribology/, www.scopus.com, ISBN 978-3-924813-80-2, 19-21 January, Ostfildern, Germany, 2010
- D.38. Drumeau, A.C., **Ripeanu, R.G.**, *Tribological Characteristics of Lubricant Solutions based on Polyacrylamide*, Proceedings of **17th International Colloquium Tribology 2010**, Solving Friction and Wear Problems, Vol.1, 2010, Technische Akademie Esslingen, pp.831-836, www.tae.de/tribology/, www.scopus.com, ISBN 978-3-924813-80-2, 19-21 January, Ostfildern, Germany, 2010
- D.39. Zidaru, I., **Ripeanu, R.G.**, Tudor, I., Drumeau, A.C., *Research regarding the improvements of tribological behavior in three cone bits bearings*, Proceedings of **11th International Conference on Tribology** SERBIATRIB'09, 13-15 May, pp.224-228, <http://www.serbiatrib.org.rs/serbiatrib2009/>, ISBN 978-86-7083-659-4, Belgrade, Serbia, 2009
- D.40. Drumeau, A.C., Paraschivou, S.T., Tudor, I., **Ripeanu, R.G.**, *Some considerations about non-isothermal fatigue wear of the forging die steel*, Proceedings of **11th International Conference on Tribology** SERBIATRIB'09, 13-15 May, pp.255-260, <http://www.serbiatrib.org.rs/serbiatrib2009/>, ISBN 978-86-7083-659-4, Belgrade, Serbia, 2009

- D.41. Paraschivoiu, S.T., Pupazescu, Al., Drumeau, A.C., Tudor, I., **Ripeanu, R.G.**, *The thermal stresses of forging die evaluation using FEM*, Proceedings of 11th International Conference on Tribology SERBIATRIB'09, 13-15 May, pp.261-265, <http://www.serbiatribro.org.rs/serbiatrib2009/>, ISBN 978-86-7083-659-4, Belgrade, Serbia, 2009
- D.42. Braic, M., Balaceanu, M., Zoita, C.N., Grigore, E., Kiss, A., **Ripeanu, R.G.**, Braic, L., Besleaga, C., Vladescu, A., *Influence of process parameters on the characteristics of magnetron sputtered (TiAlCrNbY)C films*, Proceedings of E-MRS 2009 Spring Meeting, Symposium P. 8-12 June, www.emrs-strasbourg.com, Strasbourg, France, 2009
- D.43. **Ripeanu, R.G.**, Drumeau, A.C., Orban, T., Luca, M., *Cercetări privind comportarea tribologica a fluidelor pentru aşchiere*, Simpozion - Produse ecologice pentru prelucrarea metalelor obținute din materii prime regenerabile, <http://www.icerp.ro/proiect4/>, 14 May, Ploieşti, 2009
- D.44. **Ripeanu, R.G.**, Drumeau, A.C., Luca, M., *Soybean oil influence above drills durability*, Proceedings of 3rd International Conference on Manufacturing ENgineering and EUREKA Brokerage Event ICMEN 2008, 1-3 October, pp.665-672, <http://ithaki.meng.auth.gr/data/ICMEN2008PDF/08-TRILU03.pdf>, ISBN 978-960-243-649-3 Kallithea of Chalkidiki, Greece, 2008
- D.45. Drumeau, A.C., **Ripeanu, R.G.**, *Metallic element design of the tribo-thermal stressed dry friction couples*, Proceedings of 3rd International Conference on Manufacturing ENgineering and EUREKA Brokerage Event ICMEN 2008, 1-3 October, pp.681-690, <http://ithaki.meng.auth.gr/data/ICMEN2008PDF/08-TRILU05.pdf>, ISBN 978-960-243-649-3 Kallithea of Chalkidiki, Greece, 2008
- D.46. Dragomir, D., Cojocaru, M., Alexa, M., **Ripeanu, R.G.**, Drumeau, A.C., *Nitriding technologies using process sensors in view of obtaining of resistant layers against corrosion and wear*, Proceedings of 3rd International Conference on Manufacturing ENgineering and EUREKA Brokerage Event ICMEN 2008, 1-3 October, pp.399-404, <http://ithaki.meng.auth.gr/data/ICMEN2008PDF/05-SUMAC03.pdf>, ISBN 978-960-243-649-3 Kallithea of Chalkidiki, Greece, 2008
- D.47. Drumeau, A.C., Antonescu, N.N., **Ripeanu, R.G.**, *Some aspects concerning the experimental determination methodology for the non-isothermal cyclic durability of the machine steels*, Proceedings of 3rd International Conference on Manufacturing ENgineering and EUREKA Brokerage Event ICMEN 2008, 1-3 October, pp.423-434, <http://ithaki.meng.auth.gr/data/ICMEN2008PDF/05-SUMAC06.pdf>, ISBN 978-960-243-649-3 Kallithea of Chalkidiki, Greece, 2008
- D.48. **Ripeanu, R.G.**, Drumeau, A.C., Luca, M., Ripeanu, L., *Establish the influence of sorbian oil above wear behaviour of cutting tools*, Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, www.tribology-bg.com , CD ISBN 978-954-438-713-6, 2008
- D.49. **Ripeanu, R.G.**, Tudor, I., Dinu, F., *Research about the efficiency of active anode protection at centrifugal pumps*, Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, www.tribology-bg.com , CD ISBN 978-954-438-713-6, 2008
- D.50. Tudor, I., Popescu, A., **Ripeanu, R.G.**, Drumeau, A.C., Braic, V., Balaceanu, M., Vladescu, A., Braic, M., *Tribological behavior of TiSiN/Ti and TiSiN/Cu multilayer coatings*, Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, www.tribology-bg.com , CD ISBN 978-954-438-713-6, 2008
- D.51. Florea, O., Luca, M., **Ripeanu, R.G.**, *Environmentally friendly thread compounds for casing, tubing and line pipe*, Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, www.tribology-bg.com CD ISBN 978-954-438-713-6, 2008
- D.52. Drumeau, A., **Ripeanu, R.G.**, Matei, G., Luca, M., *Metalworking fluids based on vegetable oil and synthetic esters used for turning operations*, Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, www.tribology-bg.com CD ISBN 978-954-438-713-6, 2008
- D.53. Amuza, M.G., Matei, G.M., Cira, L., Luca, M., Drumeau, A., **Ripeanu, R.G.**, Popa, C., *Multifunctional Metalworking Fluids used in Bearing Industry*, Proceedings of International Conference of Lubrication management and technology, LUBMAT 2008, www.lubmat.org, ISBN 978-84-932064-5-1, 4-6 june , San Sebastian, Spania, 2008
- D.54. Matei, G.M., Cira, L., Amuza, M.G., Luca, M., Moraru, E., Drumeau, A., **Ripeanu, R.G.**, Popa, C.. *Formulation of High Performance Cutting Oils using Environmentally Friendly Raw Materials*, Proceedings of International Conference of Lubrication management and technology, LUBMAT 2008, www.lubmat.org, ISBN 978-84-932064-5-1, 4-6 June, San Sebastian, Spania, 2008

- D.55. Balaceanu, M., Braic, V., Braic, M., Zoita, N.C., Vladescu, A., Grigorescu, E.C., Mic, C., Ruset, C., Grigore, E., Tudor, I., **Ripeanu, R.G.**, Popescu, A., *Characteristics of Ti-Nb, Ti-Zr and Ti-Al containing hydrogenated carbon nitride films*, The E-MRS 2008 Spring meeting- Carbon-based nanostructured composite films 08- Symposium A, http://www.emrs-strasbourg.com/index.php?option=com_abstract&task=view&id=44&day=2008-05-27&year=2008&Itemid=92, Strasbourg, 26 may-30 may, France, 2008
- D.56. **Ripeanu, R.G.**, Drumeau, A.C., Luca, M., *The influence above cutting tools durability of oil base lubricants*, Proceedings of 16th International Colloquium Tribology 2008, Lubricants Materials and Lubrication Engineering and CD TAE 2008, ISBN 3924813736; 978-392481373-4, Technische Akademie Esslingen, www.tae.de/tribology/, www.scopus.com, 15-17 January, Ostfildern, Germany, 2008
- D.57. **Ripeanu, R.G.**, Tudor, I., Dinu, F., *Diminishing Erosion-Corrosion Wear at Centrifugal Pumps*, Proceedings of 16th International Colloquium Tribology and CD TAE 2008, Technische Akademie Esslingen, www.tae.de/tribology/, www.scopus.com, 15-17 January, Ostfildern, Germany, 2008
- D.58. Matei, G.M., Luca, M., Cira, L., Drumeau, A., **Ripeanu, R.G.**, Popa, C., Iliescu, M.G., *Improved extreme-pressure additives in metal working fluids and their influence above cutting tools durability*, Proceedings of 10th International Conference Lubrication Engineering in Theory and Practice, pp 26-34, Czech Mechanical Engineering Society, www.tribotechnika.cz/Conference2007, 15-17 October, Prague, Czech Republic, 2007
- D.59. **Ripeanu, R.G.**, Tudor, I., Dinu, F., Grigore, V., *Cathodic protection influence above erosion-corrosion wear*, 10th International Conference on Tribology, ROTRIB 07, http://scientific.thomsonwebplus.com/SearchResults.aspx?query=Ripeanu+R*&searchContext=PERS+ON+OR+AUTHOR, 8-10 noiembrie, Bucuresti, CD ISBN 978-973-78-38-49-0, 2007
- D.60. **Ripeanu, R.G.**, Drumeau, A.C., Matei, G., Luca, M., *The influence of cooling fluids types above cutting tools durability*, Proceedings of 10th International Conference on Tribology and Workshop 07, SERBIATRIB 07, pp. 157-160, ISBN 978-86-86663-13-9, Kragujevac, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, <http://vbs.nbs.bg.ac.yu/scripts/cobiss?command=DISPLAY&base=COBIB&RID=140757260>, 19-21 June, Serbia, 2007
- D.61. Bădoi, D., **Ripeanu, R.G.**, *Research concerning the achievement of a mechatronic device used for testing the spherical joints*, Proceedings of the European Conference on Tribology and Final conference on COST 532 action, ECOTRIB'07, pp.997-1005, ISBN 978-961-90254-8-2, Ljubljana, Slovenian Society for Tribology, www.ctd.uni-lj.si/ecotrib2007.htm, 12-15th june, Slovenia, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, http://scientific.thomsonwebplus.com/SearchResults.aspx?query=Ripeanu+R*&searchContext=PERS+ON+OR+AUTHOR, 2007
- D.62. Kiss, A., Braic, V., Zoita, C.N., Balaceanu, M., Vladescu, A., Popescu, A., Braic, M., **Ripeanu, R.G.**, *Influence of chemical composition on properties of TiSiN, TiAlSiN and TiZrSiN coatings*, The International Conference on Surfaces, Coatings and Nanostructured Materials NANOSMAT 2007, www.nanosmat.org, 9-11 july, Algarve, Portugalia, 2007
- D.63. Taca, M., **Ripeanu, R.G.**, *Antifriction wear-resistant coatings for sliding bearings deposited by plasma spraying*, The 16th International Colloquium on Plasma Processes, www.vide.org/cip2007/program.html, Toulouse, 4-8 june, France, 2007
- D.64. Vladescu, A., Kiss, A., Zoita, C.N., Vasilescu, E., Braic, V., Balaceanu, M., Drob, P., Braic, M., Popescu, A., **Ripeanu, R.G.**, *Corrosion and wear resistance of 316L stainless steel coated with biocompatible thin films*, The E-MRS 2007 Spring meeting- Protective coatings and thin films 07- Symposium Q, www.emrs-strasbourg.com/files/pdf/symposium_q.pdf, Strasbourg, 28 may-1 june, France, 2007
- D.65. **Ripeanu, R.G.**, *Establish the reliability of rod-pumps used at deep- drill pumping*, Proceedings of the 7th International Symposium INSYCONT'06, „Energy and environmental aspect of tribology”, pp.313-323, ISBN 83-7204-539-9, Cracow, Polish Academy of Science, www.tribologia.org/ptt/d/insycont_2006_Program.htm, 14-16th september, Poland, 2006
- D.66. **Ripeanu, R.G.**, Tudor, I., Tache, A., *Research regarding the influence of cutting parameters above drills durability*, Proceedings of the 7th International Symposium INSYCONT'06, „Energy and environmental aspect of tribology”, pp.305-313, ISBN 83-7204-539-9, Cracow, Polish Academy of Science, www.tribologia.org/ptt/d/insycont_2006_Program.htm, 14-16th september, Poland, 2006

- D.67. Tudor, I., **Ripeanu, R.G.**, *Corrosion in formation water with carbon dioxide*, Petroleum Club Workshop, *Corrosion and corrosion protection of pipelines and tanks*, www.petroleumclub.ro/corrosion.html, 19-21 june, Bucharest, 2006
- D.68. **Ripeanu, R.G.**, Tudor, I., *Research regarding welding joints influence above electrochemical parameters at methane gas pipes*, Proceedings of the 5th International Conference „Study and control of corrosion in the perspective of sustainable development of urban distribution grids, URBCORR 2006”, pp.71-76, ISBN(10) 973-718-481-5, ISBN(13) 978-973-718-481-1, 18-20 mai, Tg. Mures, Ed. Printech-Bucuresti, 2006
- D.69. Vlădescu, A., Kiss, A., Popescu, A., Braic, M., Bălăceanu, M., Braic, V., Tudor, I., Logofătu, C., Negriș, C., **Ripeanu, R.**, *Influence of bilayer period on the characteristics of nanometre scale ZrN/TiAlN multilayers*, **Workshop on nanostructured materials- NANOMAT 2006**, 21-23 june, Antalya, Turcia, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 2006
- D.70. **Ripeanu, R.G.**, Tudor, I., Tache, A., *Establish the durability of some hard PVD coated drills*, Proceedings of the 5th International Conference „The Coatings” in Manufacturing Engineering and EUREKA Partnering Event, pp.131-137, ISBN 960-243-617-4, http://155.207.75/lcmen_The.asp, 5-7 October, Kallithea of Chalkidiki, Greece, 2005
- D.71. Tudor, I., **Ripeanu, R.G.**, Bădoiu, D., *Device and simulator for testing pairs of materials used for joints design*, Proceedings of the 2nd International Conference on Manufacturing Engineering „ICMEN” and EUREKA Brokerage Event, pp.417-423, ISBN 960-243-615-8, http://155.207.75/lcmen_The.asp, 5-7 October, Kallithea of Chalkidiki, Greece, 2005
- D.72. **Ripeanu, R.G.**, Antonescu, L., *The influence of welding joints above corrosion behavior at methane gas pipes*, Proceedings of the 2nd International Conference on Manufacturing Engineering „ICMEN” and EUREKA Brokerage Event, pp.457-463, ISBN 960-243-615-8, http://155.207.75/lcmen_The.asp, 5-7 October, Kallithea of Chalkidiki, Greece, 2005
- D.73. Flueraru, F., **Ripeanu, R.G.**, Luca, M., Popescu, D., *Future trends in corrosion protecting coatings used in manufacturing processes*, Proceedings of the 2nd International Conference on Manufacturing Engineering „ICMEN” and EUREKA Brokerage Event, pp.615-623, ISBN 960-243-615-8, http://155.207.75/lcmen_The.asp, 5-7 October, Kallithea of Chalkidiki, Greece, 2005
- D.74. Antonescu, N.N., **Ripeanu, R.G.**, *Research regarding functional parameters influence about corrosion rate at crude oil pipes-plenary session*, Proceedings of the 5th International Conference on Tribology, pp.38-46, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, ISBN 86-80581-78-X, Kragujevac, Serbia&Montenegro, www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf, 2005
- D.75. Tudor, I., Popescu, A.A., **Ripeanu, R.G.**, Balaceanu, M., Braic, V., Braic, M., *Tribological characteristics of superhard Ti(C,N) coating deposited on milling cutters*, Proceedings of 5th International Conference on Tribology, pp.277-281, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, ISBN 86-80581-78-X, Kragujevac, Serbia&Montenegro, www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf, 2005
- D.76. **Ripeanu, R.G.**, *Establish the reliability of piston-cylinder couple of downhole pumps*, Proceedings of the 5th International Conference on Tribology, pp..435-441, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, ISBN 86-80581-78-X, Kragujevac, Serbia&Montenegro, www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf, 2005
- D.77. Tudor, I., **Ripeanu, R.G.**, *Galvanic cathodic protection influence about diminishing wear in corroding medium*, Proceedings of the 5th International Conference on Tribology, pp.441-447, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, ISBN 86-80581-78-X, Kragujevac, Serbia&Montenegro, www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf, 2005
- D.78. Popescu, A.A., Tudor, I., Bălăceanu, M., Braic, V., Braic, M., **Ripeanu, R.G.**, Borsos, Z., *Wear behavior of biocompatible hard coatings deposited by cathodic arc techniques*, Conferința națională de fizică, CNF 2004, Universitatea din Pitești, 2004
- D.79. Popescu, A., Tudor, I., **Ripeanu, R.G.**, ş.a., *Wear resistance evaluation of TiN coated cutting tools-2*, Proceedings of Fifth General Conference of the Balkan Physical Union, BPU-5, A-31, pp.2237-2240, Vrnjacka Banja, Serbia and Montenegro, Aug.25-29, 2003, www.phy.bg.ac.yu/jdf/bpu5/proceedings/appendix
- D.80. Popescu, A., Tudor, I., **Ripeanu, R.G.**, ş.a., *Wear resistance evaluation of TiN coated cutting tools-1*, Proceedings of 2nd International Conference Research and development in mechanical industry

- RaDMI 2002**, A-53, Vol.1, pp.329-333, ISBN 86-83803-04-X, www.radmi.org, Vrnjacka Banja, Serbia and Montenegro, 2002
- D.81. Tudor, I., **Ripeanu, R.G.**, *Minimising wear by weld covering with metallic carbide recovered at grinding*, Proceedings of the 5TH International Conference on tribology YUTRIB'97, Kopaonik, pp.51-53, S.R. Yugoslavia, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 1997
- D.82. Tudor, I., **Ripeanu, R.G.**, *New antifriction composite materials, tribological characteristics, applications*, Proceedings of the 5TH International Conference on tribology YUTRIB'97, Kopaonik, pp.5-7, S.R. Yugoslavia, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 1997
- D.83. Antonescu, N.N., Tudor, I., **Ripeanu, R.G.**, Ștefănescu, D., *Studiul proceselor de uzare ale etanșărilor mecanice frontale, Lucrările sesiunii de comunicări științifice ale Univ. „Aurel-Vlaicu” Arad*, ediția a IV-a, Vol. XI, Editura Univ. „Aurel Vlaicu” din Arad, pp.13-20, ISBN 973-98365-1-5, Arad, 1997
- D.84. Ștefănescu, D., **Ripeanu, R.G.**, Lungu, A., *Aspecte ale comportării la solicitări variabile a îmbinărilor sudate, Lucrările sesiunii de comunicări științifice ale Univ. „Aurel-Vlaicu” Arad*, ediția a IV-a, Vol. XIII, Editura Univ. „Aurel Vlaicu” din Arad, pp.153-162, ISBN 973-98366-3-1, Arad, 1997
- D.85. Antonescu, N.N., Tudor, I., **Ripeanu, R.G.**, *Utilizarea deșeurilor de sticlă ca lubrifiant*, Lucrările Congresului al XXII-lea al Academiei Româno-Americană de Științe și Arte, Universitatea “Valachia” Târgoviște, Vol. 1, pp.60, ISBN 973-9304-11-7, Târgoviște, 1997
- D.86. Tudor, I., **Ripeanu, R.G.**, *The advantage of thermochemical treatment of cromisation*, 5TH International Conference on tribology YUTRIB'97, Kopaonik, S.R. Yugoslavia, 1997
- D.87. Tudor, I., **Ripeanu, R.G.**, *Combaterea uzurii prin încărcare cu electrozi tubulari umpluți cu carburi metalice recuperate din pulberile rezultate la rectificarea straturilor dure*, Lucrări științifice prezentate la a 7-a conferință internațională de Tribologie ROTRIB'96, Vol.17, pp.59-64, Editura Tehnică, ISBN 973-31-0821-6, București, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 1996
- D.88. Tudor, I., **Ripeanu, R.G.**, *Lacuri lubrifiante, caracteristici tribologice, aplicații*, Lucrări științifice prezentate la a 7-a conferință internațională de Tribologie ROTRIB'96, Vol.17, pp.232-238, Editura Tehnică, ISBN 973-31-0821-6, București, <http://0-zetoc.mimas.ac.uk/catalogue.ulrls.lon.ac.uk/>, 1996

(E) Patents,

- E.1. Ionescu, G.C., Nae, I., Hagianu, A., Minescu, M., **Ripeanu, R.G.**, Ionescu, O.N., Isbășoiu, Gh. D., *Sistem Intelligent De Evaluare A Duratei De Viață A Tubingului Flexibil Folosit În Industria Extracției Petrolului și Gazelor Naturale, (Intelligent System For Evaluating The Operating Life Of The Flexible Tubing Used In Oil And Gas Extraction Industry)*, Cerere Brevet De Inventie Nr. RO133985 A0 (51) E21B 44/00 (2006.01); E21B 47/00 (2006.01) RO-BOPI 03/2020, București, 2020;
- E.1. Orban, I.T., Luca, M.C., Matei, G.M., **Ripeanu, R.G.**, Lucaciu, I.E., *Compozitie de ulei emulsionabil ecologic, (Ecological emulsifiable oil composition)*, Brevet de inventie nr. RO126567-B1/2012, C10M 105/32, Oficiul de stat pentru invenții și mărci, București, 2012
- E.2. Tudor, I., **Ripeanu, R.G.**, Dinu, F., Grigore, V., Anicăi, L., Anghelache, M., Furtună, E., Tudor, M.C., *Dispozitiv pentru protecția catodică a pompelor centrifuge,(Device for centrifugal pump cathodic protection, has cathodic protection by modifying electrochemical potential of materials, and central parts mounted with end welded on cover closing flange)*, Brevet de inventie nr. RO122867 -B/2010, E21B-041/02, Oficiul de stat pentru invenții și mărci, București, 2010
- E.3. Tudor, I., Grigore, V., Zecheru, Gh., Drăghici, Gh., Dinu, F., **Ripeanu, R.G.**, Mocănescu, F., *Dispozitiv pentru protecția catodică a pompelor de extracție a petrolului,(Oil well pump cathodic protection system includes multiple sleeves forming anodes and providing centering for control rod above the pump)*, Brevet de inventie nr. RO118671-B/2003, Oficiul de stat pentru invenții și mărci, București, 2003

(F) Research grants/contracts

F.1 Research grants

F.1.1 Research grants as manager

- F.1.1.1. **Ripeanu, R.G.(director contract-P2)**, Tudor, I., Drumeau, A.C., Contract 54/2007-2009, PN 2-109/P2 INOVARE, *Produse ecologice pentru prelucrarea metalelor, obținute din materii prime regenerabile-SINBIOMED, (Ecological products for metalworking fluids, obtained from raw materials)* Beneficiar M.E.C., 2007-2009, valoare încasată fără TVA **117000**.

- F.1.1.2. Ripeanu, R.G. (director contract RELANSIN-P2), Antonescu, N.N., Antonescu, L., Contract 35/2003-RELANSIN 1823/2003-2005, *Produse de protecție anticorosivă multifuncționale, (Polyfunctional anticorrosion protection products)* Beneficiar M.E.C., 2005, valoare încasată fără TVA **52700**.

F.1.2 Research grants as member in the research team

- F.1.2.1. POSDRU /86/1.2/5/55585 *Educatia si formarea profesionala in sprijinul cresterii economice si dezvoltarii societatii bazate pe cunoastere, (Education and vocational training to support the economic growth and development of the knowledge-based society)* 2011-2013, valoare încasată fără TVA **220818.47**.
- F.1.2.2. Popescu, A., Tudor, I., Ripeanu, R.G., Drumeau, A.C., Neacsu, M., Contract 52/2006-2008 CEEEX RELANSIN 249/P2, *Cercetări privind obținerea de noi materiale pentru acoperiri ultradure a reperelor supuse la uzură intensă-ANTIWEAR, (Researches above new materials for ultra-hard layers applied at pieces which works at intense wear)* Beneficiar M.E.C., 2006-2008, valoare încasată fără TVA **330000**.
- F.1.2.3. Paraschiv, A., Ripeanu, R.G., Drumeau, A.C., s.a., Contract 66/2006, Matnantech-710/2006-2008, *Tehnologie, asistata de calculator, pentru obținerea unor uleiuri pentru prelucrarea metalelor,compatibile cu mediul, utilizate in industria constructoare de masini-CUTOIL, (Technology computer assisted to obtain metalworking oils, environment compatible, used in manufacturing industry)* Beneficiar M.E.C., 2006-2008, valoare încasată fără TVA **400000**.
- F.1.2.4. Antonescu, L., Antonescu, N.N., Ripeanu, R.G., Tănăsescu, C., Contract 48/2004-2006 RELANSIN 2055/2004-2006, *Lubrifianti speciali pentru ungerea motoarelor Diesel ale locomotivelor modernizate prevăzute cu lagăre de argint, la nivelul cerințelor internaționale, (Special lubricants for lubricate modern Diesel engines that have silver alloy bearings, respecting international demands)* Beneficiar M.E.C., 2004-2006, valoare încasată fără TVA **30000**.
- F.1.2.5. Antonescu, L., Tudor, I., Ripeanu, R.G., Contract 29/2003-RELANSIN 1766/2003-2005, *Aditivi fără cenușă de tip esteri și pachete de aditivi cu proprietăți antioxidantă, anticorosive, antiuzură, extremă presiune și formulări de uleiuri și unsori lubrifiante cu acești aditivi, (Additives without ash of types esters and additives groups with antioxidant, anticorrosion, antiwear and extreme pressure to formulate oils and greases)* Beneficiar M.E.C., 2003-2005, valoare încasată fără TVA **52970**.
- F.1.2.6. Dinu, F., Tudor, I., Ripeanu, R.G., Grigore, V., Popescu, A., Diniță, A., Contract 16/2006, M.E.C. 6/2006-2007, Studiu asupra introducerii protecției catodice la pompele destinate vehiculării petrolierului brut și a apelor de zăcământ, (*Study on the introduction of cathodic protection in pumps for the transport of crude oil and formation waters*) Beneficiar M. Economiei și Comerțului.-Plan sectorial, Politica energetică Petrol și Gaze, 2006-2007, valoare încasată fără TVA **75000**.
- F.1.2.7. PHARE RO 0007.02.01.01.0329, Program Coeziune economică și socială, *Ridicarea nivelului de pregătire a personalului din întreprinderile petroliere în contextul restructurării industriale, (Raising the level of training of personnel from oil companies in the context of industrial restructuring)* Beneficiar Universitatea Valahia din Târgoviște- conducătorul de proiect, 2004.
- F.1.2.8. Preda, I., Tudor, I., Ripeanu, R.G., Contract 4A/94, Centrul de Implementare a Afacerilor Prahova (CIAP)-Ministerul Industriilor, Obținerea materialelor antifricțiune prin metalurgia pulberilor și tratamente termochimice, (*Obtaining antifriction materials by powder metallurgy and thermochemical treatments*) 1994, Faza: Selectarea materialelor antifricțiune și a tehnologiilor de fabricație posibil de realizat cu resurse și utilaje din țară, Beneficiar Ministerul Industriilor, 1994, valoare încasată fără TVA nu s-au regasit devize.
- F.1.2.9. Tudor, I., Ripeanu, R.G., Contract 6A/94, CIAP -Ministerul Industriilor, *Obținerea materialelor antifricțiune prin metalurgia pulberilor și tratamente termochimice, (Obtaining antifriction materials by powder metallurgy and thermo-chemical treatments)* Beneficiar Ministerul Industriilor, 1994, valoare încasată fără TVA nu s-au regasit devize.
- F.1.2.10. Ruxandra, G., Ripeanu, R.G., s.a., Contract 3018/C6/94, *Impactul regional și global asupra radioactivității nucleare datorat arderei combustibililor fosili, (Regional and global impact above nuclear radioactivity due to burning fossil combustion materials)* Faza: Proiect de amenajare și dotare a laboratoarelor de fizica nucleară din instituțiile de învățământ superior, Beneficiar M.E.C., 1994, valoare încasată fără TVA nu s-au regasit devize.

F.1.2.11. Tudor, I., **Ripeanu, R.G.**, Contract 006/94 **CIAP-Ministerul Industriilor, Cercetări privind caracteristicile lacurilor lubrifiante, cu aplicații la protecția robinetelor, (Researches above lubricant lacquers characteristics, with application at valves protection)** Beneficiar Ministerul Industriilor, 1994, valoare încasată fără TVA nu s-au regasit devize.

F.2 Research contracts

F.2.1 Research contracts as manager

- F.2.1.1. Ramadan, I., **Ripeanu, R.G.**, Dinita, A., Contract 9873/2019, *Încercări la coroziune și teste mecanice, (Corrosion and mechanical tests)* Beneficiar ABIWELD SRL Câmpina, 2019, valoare încasată fără TVA **6500**
- F.2.1.2. **Ripeanu, R.G.(director contract)**, Petrescu, M.G., Dinita, A., Dumitrescu, A., Laudacescu, E., Ramadan, I., Patirnac, I., Contract 5612/2019, *Protectie Catodica, (Cathodic protection)* Beneficiar SNTGN TRANSGAZ S.A. Medias, valoare valoare încasată fără TVA **48000**.
- F.2.1.3. **Ripeanu, R.G.(director contract)**, Ispas, D., Ispas, V., Contract 16/2015, *Cercetari teoretice și experimentale privind garniturile spiometalice cu densitate controlată, (Theoretical and experimental research on spiometallic gaskets with controlled density)* Beneficiar S.C SEAL-TECH INDUSTRY EXPERT S.R.L. Ploiesti, valoare valoare încasată fără TVA **4000**.
- F.2.1.4. **Ripeanu, R.G.(director contract)**, Antonescu, N.N., Petrescu, M.G., CTTIAP-Contract 171/2012, *Cercetări privind cauzele probabile ale degradărilor produse la MPS parc 13 Independența și propunerile de măsuri pentru creșterea durabilității echipamentelor analizate,(Researches regarding probable causes of faulting at MPS park 13 Independenta and proposed solutions to rise durability of analyzed equipments)* Beneficiar S.C. CONFIND S.R.L. Câmpina, 2012, valoare încasată fără TVA **7500**.
- F.2.1.5. **Ripeanu, R.G. (director contract)**, Tudor, I., Roșu, B., CZFPA -Contract 1/2012, *Protectie catodica, (Cathodic protection)* Beneficiar S.C. CONPET S.A. Ploiești, 2012, valoare încasată fără TVA **41000**.
- F.2.1.6. **Ripeanu, R.G.(director contract)**, Tudor, I., Contract 24/2011, *Consultanță privind defectarea unor echipamente ce compun linia de fabricatie a samponului Comanda F7P-4501763361-DNJ, (Consultancy regarding faulting some equipments from shampoo line manufacturing)* Beneficiar S.C. Detergenti S.A.-Procter&Gamble, 2011, valoare încasată fără TVA **4000**.
- F.2.1.7. **Ripeanu, R.G.(director contract)**, Tudor, I., Contract 8/2011, *Consultanță privind coroziunea tancului SLE3S conform Comanda F7P-4501663969-DNJ, (Consultancy regarding SLE3S tank corrosion)* Beneficiar S.C. Detergenti S.A.-Procter&Gamble, 2011, valoare încasată fără TVA **4000**.
- F.2.1.8. **Ripeanu, R.G.(director contract)**, Tudor, I., Contract 22/2010, *Studii privind comportarea la coroziune a echipamentelor realizate din otel 316L ce compun linia de fabricație a şamponului conform Comanda F7P-4501435372-DNJ, (Studies regarding corrosion behavior of equipment made of stainless steel 316L from shampoo line manufacturing)* Beneficiar S.C. Detergenti S.A.- Procter&Gamble, 2010, valoare încasată fără TVA **17000**.
- F.2.1.9. **Ripeanu, R.G.(director contract)**, Tudor, I., Contract 29/2009, *Execuția de determinări a caracteristicilor fizice asupra materialelor FERMIT A1F-07T și ferodou cu azbest utilizate la tamburii de frână, (Establish physical characteristics of FERMIT A1F-07T and asbestos friction materials used at drum brake bands)* Beneficiar S.C. UPETROM 1 Mai S.A., 2009, valoare încasată fără TVA **10000**.
- F.2.1.10. **Ripeanu, R.G.(director contract)**, Dinu, F., Petcu, D., Contract internațional 62/2009, *Study above corrosion diminishing by cathodic protection at drilling and production wells*, Beneficiar Brenntag Canada Inc-Calgary Technical Centre, Canada, 2009, valoare încasată fără TVA **1000** EURO.
- F.2.1.11. **Ripeanu, R.G.(director contract)**, s.a., Contract 45/2007, *Cercetări privind creșterea durabilității lagărelor sapelor cu trei conuri, (Researches regarding rising durability of tree cone bits bearings)* Beneficiar S.C. UPETROM 1 Mai S.A. Ploiești, 2008, valoare încasată fără TVA **40000**.
- F.2.1.12. **Ripeanu, R.G.(director contract)**, Contract 36/2008, *Determinări tribologice pe tribometrul CSM în conformitate cu obiectivele contractului CNCSIS, tip TD nr. 315/2007, (Tribological tests on CSM tribometer respecting the objectives of CNCSIS contract)* Beneficiar Universitatea Transilvania din Brașov, 2008, valoare încasată fără TVA **4500**.

- F.2.1.13. **Ripeanu, R.G.(director contract)**, Contract 27/2008 –*Execuția de încercări tribologice- 4 probe aliaj cu baza cobalt, (Tribological test on 4 samples with cobalt matrix)* Beneficiar S.C. METAV S.A. Buc., 2008, valoare încasată fără TVA **4202**.
- F.2.1.14. **Ripeanu, R.G.(director contract)**, Contract 70/2007, *Teste de fricțiune Amsler, pentru 10 probe rolă-sabot, metalizate, (Amsler friction tests for 10 samples cylinder-shoe metallized)* Beneficiar S.C. METAV S.A. Buc., 2007, valoare încasată fără TVA **3361**.
- F.2.1.15. **Ripeanu, R.G.(director contract)**, Tudor, I., Contract 51/2006, *Teste de fricțiune Amsler, pentru 10 probe rolă-sabot, metalizate, (Amsler friction tests for 10 samples cylinder-shoe metallized)* Beneficiar S.C. METAV S.A. Buc., 2006, valoare încasată fără TVA **3361**.
- F.2.1.16. **Ripeanu, R.G.(director contract)**, Tudor, I., Contract 5/2005, *Cercetări privind creșterea durabilității sculelor aşchietoare utilizate în procesele de reparare a utilajului petrolier, (Researches regarding rising cutting tools durability used in repairing petroleum equipments)* Beneficiar PETROMSERVICE Buc., 2005, valoare încasată fără TVA **10000**.
- F.2.1.17. **Ripeanu, R.G. (director contract)**, Tudor, I., Popescu, A., Contract 19/2002- Subcontract **RELANSIN 712/2000**, *Cercetarea metalografică și testarea comportării la uzare a sculelor aşchietoare din carburi metalice acoperite cu straturi dure de înaltă calitate, (Metallographic researches and wear behavior testing of cutting tools with high quality hard layers)* Beneficiar I.N.O.E. 2000 Măgurele, 2002, valoare încasată fără TVA **1200**.
- F.2.1.18. **Ripeanu, R.G. (director contract)**, Tudor, I., Popescu, A., Contract 65/2001, *Cercetarea metalografică și testarea burghielor acoperite cu straturi subțiri ultradure, (Metallographic researches and testing the drills coated with thin ultra-hard layers)* Beneficiar I.N.O.E. 2000 Măgurele, 2001, valoare încasată fără TVA **1000**.
- F.2.1.19. **Ripeanu, R.G. (director contract)**, Tudor, I., Contract 14/97, *Încercări mecanice și examinări metalografice la proba prelevată din prăjina de foraj H5131FGRM, (Mechanical tests and metallographic analyses at samples from drill rod H5131FGRM)* Beneficiar S.C. Foraj Sonde Berca, 1997, valoare încasată fără TVA nu s-au regasit devize.

F.2.2 Research contracts as member in the research team

- F.2.2.1. Ramadan, I., **Ripeanu, R.G.**, Dinita, A., Contract 9873/2019, *Încercări la coroziune și teste mecanice, (Corrosion and mechanical tests)* Beneficiar ABIWELD SRL Câmpina, 2019, valoare încasată fără TVA **6500**
- F.2.2.2. Drumeau, A.C., **Ripeanu, R.G.**, Dinita, A., Cursaru, D., Rosu G.A., Contract 12588/23.11.2017, *Cercetări privind modul general de degradare a elementelor de interconectare a echipamentelor din componența instalației de tratare ape de injecție (Oprișenești) și soluții de creștere a durabilității acestora, (Research on the general mode of degradation of the elements of interconnection of the equipment of the injection water treatment plant (Oprișenești) and solutions to increase their durability)* Beneficiar S.C. TRANSMARIN SRL, 2018 valoare incasata fara TVA 35000 (etapa I si II)
- F.2.2.3. Ispas,V., Ispas,D., **Ripeanu,R.G.**, s.a., Contract 10/27.03.2015, *Determinarea parametrilor garniturilor spiometalice la încercarea de compresiune și revenire elastică cu determinarea stabilității fabricației, (Determination of the parameters of the spiometallic gaskets in the compression and elastic return test with the determination of the manufacturing stability)* Etansari GRAFEX Ploiesti, 2015 valoare încasată fără TVA **12500**.
- F.2.2.4. Caltaru, M., **Ripeanu, R.G.**, Badicioiu, M, Contract 37/2014, *Cercetarea experimentală la uzare a cuplei de material rolă cromată-elastomer, (Experimental research of the wear of the hard chromium plated cylinder-elastomer material)* Beneficiar S.C. CONFIND SRL Campina, 2014 valoare încasată fără TVA **3000**.
- F.2.2.5. Ulmanu, V., **Ripeanu, R.G.**, Caltaru, M., Badicioiu, M, Contract 6/2014. *Cercetări experimentale privind comportarea materialelor utilizate la fabricarea pompelor cu cavitate progresivă, (Experimental research on the behavior of materials used in the manufacture of progressive cavity pumps)* Beneficiar S.C. CONFIND SRL Campina, 2014 valoare încasată fără TVA **66500**.
- F.2.2.6. Ulmanu, V., Zecheru, Gh., Minescu, M., Paraschiv, N., Pupazescu, A., Petrescu, M.G., **Ripeanu, R.G.**, s.a. Contract 9/2012, *Evaluarea caracteristicilor constructive și funktionale ale sistemelor de inchidere și reglare (robinet actuator) utilizate in SNTGN din perspectiva fiabilitatii, mențenantei proactive și siguranței in exploatare, (Evaluation of the constructive and functional characteristics of the closing and adjusting systems (actuator valve) used in SNTGN from the perspective of reliability, proactive*

maintenance and safety in operation) Beneficiar S.N.T.G.N. Transgaz Medias, 2013, valoare încasată fără TVA **250000**.

- F.2.2.7. Petrescu, M.G., Ispas, V., Ispas, D., **Ripeanu, R.G.**, Pupăzescu, A., s.a., Contract 10/2013, Tehnica etanșărilor, (*Sealing technique*) Beneficiar OMV-Petrom, 2013, valoare încasată fără TVA **27000**.
- F.2.2.8. Tudor, I., Zecheru, Gh., Trifan, C., **Ripeanu, R.G.**, Drăghici, Gh., Diniță, Al., Neacsu, S., CTTIAP-Contract 153-2010, *Elaborare si validare metodologie pentru expertizarea tehnica a rețelelor de distribuție gaze naturale, (Elaboration and validation the methodology to technical evaluate the grid distribution pipes for methane gas)* Beneficiar S.C. E.ON Gaz Distributie S.A. Tg. Mureș, 2012, valoare încasată fără TVA **340000**.
- F.2.2.9. Tudor, I., Zecheru, Gh., Trifan, C., **Ripeanu, R.G.**, Drăghici, Gh., Diniță, Al., Contract 52-2009, *Expertiza tehnică a rețelei de gaze naturale din oțel în lungime de cca. 20 km situată în municipiul Turnu Măgurele, (Technical evaluation of grid distribution methane steel pipes with 20 km length from town Turnu Magurele)* Beneficiar S.C. Industrial Gaz Proiect S.R.L. București, 2009, valoare încasată fără TVA **58823**.
- F.2.2.10. Tudor, I., **Ripeanu, R.G.**, Contract 37/2009, *Execuția de analize granulometrice și de compozitie chimică pentru o mostră de pulbere*, Beneficiar S.C. COMPACT epc România, 2009, valoare încasată fără TVA **5000**.
- F.2.2.11. Dinu, F., **Ripeanu, R.G.**, Buzoianu, D., Contract Internațional 42/2009, *Study above implementation the manufacturing technology of fast hose assembly in petroleum and gas industry from Romania with the research of optimum technical solution applied*, Beneficiar TONE Schlauchtechnik GmbH Stuttgart Germany, 2009, valoare încasată fără TVA **1500 EURO**.
- F.2.2.12. Tudor, I., **Ripeanu, R.G.**, s.a., Contract 10/2009, *Elaborare norme tehnice privind mențenanța S.N.T.-Etapa III Norme tehnice privitoare la mențenanța componentelor sistemului de protecție catodică a conductelor-S.P.C., (Elaboration of Technical norms regarding maintenance of S.N.T- Phase III Technical norms regarding maintenance of components of pipes cathodic protection systems Beneficiary S.N.T.G.N. Transgaz Medias, 2009-OBS: The Norms were approved and adopted by National Agency of Energy Rules -ANRE)* Beneficiar S.N.T.G.N. Transgaz Medias, 2009, valoare încasată fără TVA **100000**.
- F.2.2.13. Petrescu, M., **Ripeanu, R.G.**, s.a., Contract 60/2008, *Perfecționare postuniversitară, (Post university perfection)* Beneficiar S.N.T.G.N. Transgaz Medias, 2008, valoare încasată fără TVA **21000**.
- F.2.2.14. Tudor, I., **Ripeanu, R.G.**, Contract 6/2008, *Încercare la uzură straturi nitrurate și nitrocarburate, (Wear testing samples nitrided and carbonitrided)* Beneficiar INTEC S.A., 2008, valoare încasată fără TVA **8000**.
- F.2.2.15. Zecheru, Gh, Tudor, I., Draghici, Gh., Dumitru, Gh., Pupezescu, Alex., **Ripeanu, R.G.**, Dinita, A., Contract 38/2007, *Expertize și simulări privind evaluarea proceselor care conduc la cedarea în exploatare a conductelor, (Expertise and simulation regarding evaluation the processes that leads to pipes faults in exploitation)* Beneficiar S.N.T.G.N. Transgaz Medias, 2008, valoare încasată fără TVA **37000**.
- F.2.2.16. Drumeanu, A.C., **Ripeanu, R.G.** Tudor, I., s.a., Contract 44/2007, *Cercetări privind creșterea durabilității matrițelor destinate deformării la cald, (Researches regarding rising durability of die block used at thermal forming)* Beneficiar S.C. UPETROM S.A. Ploiești, 2007, valoare încasată fără TVA **40000**.
- F.2.2.17. Ispas, V., Tudor, I., **Ripeanu, R.G.**, Ispas, D., Contract 2/2006, *Cercetări privind comportarea garniturilor moi destinate realizării presetupelor, (Researches regarding soft sealing's behavior designed for stuffing gland)* Beneficiar S.C. Etanșări GRAFEX S.R.L., 2006, valoare încasată fără TVA **5000**.
- F.2.2.18. Tudor, I., Dinu, F., **Ripeanu, R.G.**, s.a., Contract 15/2004, *Studii și cercetări privind procesul de coroziune sub tensiune al componentelor echipamentului de adâncime din sondele de extracție, (Studies and researches regarding stress corrosion of bottom hole equipments at production wells)* Beneficiar PETROM Buc., 2004, valoare încasată fără TVA **45000**.
- F.2.2.19. Tudor, I., Popescu, A., **Ripeanu, R.G.**, Contract 6/2004, *Testarea unui model de implant acoperit cu straturi biocompatibile, (Testing an implant model covered with bio-compatible layers)* Beneficiar I.N.O.E. 2000 Măgurele, 2004, valoare încasată fără TVA **3500**.
- F.2.2.20. Tudor, I., Popescu, A., **Ripeanu, R.G.**, Tănase, R., Contract 43/2004, *Testarea tribologică pe mașinile Timken și Amsler a saboților oscilați, (Tribological tests of oscillation shoes on Timken and Amsler machines)* Beneficiar I.N.O.E. 2000 Măgurele, 2004, valoare încasată fără TVA **1500**.

- F.2.2.21. Popescu, A., Tudor, I., **Ripeanu, R.G.**, Boros, Z., Stancu, M., Contract 16/2004, *Testarea tribologică pe mașina cu disc orizontal a unor straturi subțiri de nitruri și carburi metalice*, (Tribological tests on horizontal disk machine some samples covered with nitridedes and metallic carbides based thin layers) Beneficiar I.N.O.E. 2000 Măgurele, 2004, valoare încasată fără TVA **1800**.
- F.2.2.22. Tudor, I., **Ripeanu, R.G.**, ş.a., Contract 3/2003, *Cercetări privind influența fenomenului de electroosmoză asupra procesului de protecție catodică a conductelor magistrale*, (Researches regarding the electro-osmotic phenomenon above cathodic protection of main pipes) Beneficiar CONPET Ploiești, 2004, valoare încasată fără TVA **2000**.
- F.2.2.23. Tudor, I., **Ripeanu, R.G.**, Popescu, A., Contract 7/2003, *Cercetări metalurgice asupra materialelor ce vor fi utilizate pentru acoperirea de suprafață a rotorilor de turbină*, (Metallurgic researches above materials that will be used for coatings turbine rotors) Beneficiar I.N.O.E. 2000 Măgurele, 2003, valoare încasată fără TVA **1000**.
- F.2.2.24. Tudor, I., **Ripeanu, R.G.**, Popescu, A., Contract 8/2003, *Comportarea la uzare în mediu corosiv a unor repere acoperite cu straturi antifricțiune*, (Wear behavior in corrosive medium of some samples covered with antifriction layers) Beneficiar I.N.O.E. 2000 Măgurele, 2003, valoare încasată fără TVA **1500**.
- F.2.2.25. Ispas, V., Tudor, I., **Ripeanu, R.G.**, Ispas, D., Contract 10/2003, *Cercetări privind unele caracteristici ale materialelor non azbest destinate aplicațiilor în industria constructoare de mașini*, (Researches regarding some characteristics of non-asbestos materials used in manufacturing industry) Beneficiar UPETROM Ploiești, 2003, valoare încasată fără TVA **5000**.
- F.2.2.26. Ispas, V., Tudor, I., **Ripeanu, R.G.**, Ispas, D., Contract 17/2003, *Cercetări teoretice și experimentale privind îmbunătățirea etanșării lagărelor sapelor cu trei conuri*, (Theoretical and experimental researches regarding improving three cone bits sealing's) Beneficiar UPETROM Ploiești, 2003, valoare încasată fără TVA **15000**.
- F.2.2.27. Popescu, A., Tudor, I., **Ripeanu, R.G.**, Stancu, M., Contract 30/2003, *Testarea tribologică a unor straturi dure cu ajutorul dispozitivului rolă-sabot și pe mașina cu disc orizontal*, (Tribological tests of some hard layers of cylinder-shoe device and on machine with horizontal disk) Beneficiar I.N.O.E. 2000 Măgurele, 2003, valoare încasată fără TVA **1000**.
- F.2.2.28. Tudor, I., Grigore, V., **Ripeanu, R.G.**, ş.a., Contract 15/2003, *Cercetarea procesului de coroziune sub tensiune a componentelor echipamentului de adâncime din sondele de extracție*, (Researches stress corrosion process above deep equipments at production wells) Beneficiar PETROM Buc., 2003, valoare încasată fără TVA **30000**.
- F.2.2.29. Tudor, I., **Ripeanu, R.G.**, Popescu, A., Contract 18/2002- Subcontract **RELANSIN 712/2000**, *Cercetarea metalografică și testarea rezistenței mecanice la îmbinările brazate*, (Metallographic research and testing mechanical adhesion at brazing joints) Beneficiar I.N.O.E. 2000 Măgurele, 2002, valoare încasată fără TVA **1500**.
- F.2.2.30. Popescu, A., Tudor, I., **Ripeanu, R.G.**, Contract 20/2002- Subcontract **RELANSIN 712/2000**, *Cercetarea metalografică și a comportării la uzare a sculelor aşchietoare acoperite cu straturi subțiri extradure obținute printr-un nou procedeu ce asigură o rată mare de depunere*, (Metallographic research and wear behavior of cutting tools covered with thin extra-hard layers obtained by a new method which assure a great deposition rate) Beneficiar I.N.O.E. 2000 Măgurele, 2002, valoare încasată fără TVA **3000**.
- F.2.2.31. Tudor, I., Grigore, V., **Ripeanu, R.G.**, Dinu, F., Manea, F., Contract 51/2001, *Cercetări de laborator privind comportarea elementelor principale ale pompelor de extracție în condiții de uzare corosiv-abrazivă în prezența apelor de zăcământ*, (Laboratory researches regarding behavior of rod pumps equipments in conditions of abrasive-corrosive wear in formation water) Beneficiar PETROM Buc 2001, valoare încasată fără TVA **5000**.
- F.2.2.32. Tudor, I., **Ripeanu, R.G.**, Popescu, A., Contract 22/2000, *Cercetări de laborator asupra caracteristicilor mecanice și metalografice ale îmbinării prin brazare în vid a carburilor metalice pe suport din oțel*, (Laboratory researches above mechanical and metallographic vide brazing joints of metallic carburs of steel pieces) Beneficiar I.N.O.E. 2000 Măgurele, 2001, valoare încasată fără TVA **2000**.
- F.2.2.33. Tudor, I., **Ripeanu, R.G.**, Popescu, A., Contract 23/2000, *Cercetări metalografice și tribologice asupra sculelor aşchietoare din carburi metalice acoperite cu straturi dure*, (Metallographic and tribological researches above cutting tools made of metallic carburs coated with hard layers) Beneficiar I.N.O.E. 2000 Măgurele, 2001, valoare încasată fără TVA **1000**.

- F.2.2.34. Tudor, I., **Ripeanu, R.G.**, Popescu, A., Contract 24/2000, *Cercetări metalografice și tribologice asupra reperelor acoperite cu straturi antifricțiune, (Metallographic and tribological researches above samples coated with anti-friction layers)* Beneficiar I.N.O.E. 2000 Măgurele, 2001, valoare încasată fără TVA **1000**.
- F.2.2.35. Tudor, I., **Ripeanu, R.G.**, ş.a. Contract 20/2000, *Cercetări în condiții de laborator a coroziunii pistoanelor și cămășilor pompelor de extractie în apă de zăcământ cu CO₂, (Researches in laboratory conditions above corrosion of pistons and shirts of rod pumps in formation water with CO₂)* Beneficiar PETROM Buc., 2000, valoare încasată fără TVA **20000** nu mai există devize.
- F.2.2.36. Grigore, V., Tudor, I., **Ripeanu, R.G.**, Dinu, F., Contract A.M.-160/2000, *Cercetări asupra comportării pompelor de extractie cu piston în condițiile zăcămintelor de petrol cu un conținut ridicat de dioxid de carbon, (Researches above rod pumps behavior in conditions of petroleum deposits with high content of carbon dioxide)* Beneficiar PETROM Buc., 2000, valoare încasată fără TVA nu mai există devize .
- F.2.2.37. Tudor, I., **Ripeanu, R.G.**, Contract 9/97, *Studiu privind starea de coroziune a unor probe prelevate din conductele vechi din fontă, montate în rețeaua de apă a municipiului București, (Study regarding corrosion state of samples from old water main pipe from Bucharest water grid pipes)* Beneficiar Primăria sector 2 Buc., 1997, valoare încasată fără TVA nu mai există devize.
- F.2.2.38. Ulmanu, V., Zecheru, Gh., **Ripeanu, R.G.**, ş.a., Contract 5/97, *Cercetări privind elaborarea unei metodologii și a aparaturii pentru caracterizarea unsorilor antigripante destinate garniturii de foraj, (Researches regarding elaboration of a methodology and the devices to characterize the greases for well tubing)* Beneficiar PETROMAR Constanța, 1997, valoare încasată fără TVA nu mai există devize.
- F.2.2.39. Tudor, I., Ispas, V., **Ripeanu, R.G.**, Contract 30/96, *Soluții privind noi materiale și tehnologii de execuție ale etanșărilor tip presetupă de la pompele de extractie, (Solutions regarding new materials and technologies for manufacturing the stuffing box from rod pumps)* Beneficiar SENCO PLASMA CER Buc., 1996, valoare încasată fără TVA nu mai există devize.
- F.2.2.40. Tudor, I., Ispas, V., **Ripeanu, R.G.**, Contract 25/96, *Tehnologia întreținerii și reparării turlelor și masturilor de extractie, (Technology for monitoring and repairing derricks and drilling masts)* Beneficiar PETROM Buc., 1996, valoare încasată fără TVA nu mai există devize.
- F.2.2.41. Tudor, I., **Ripeanu, R.G.**, Contract 19/1994, *Lacuri lubrifiante pentru acoperirea reperelor mobile ale robinetelor de înaltă presiune, (Lubricant lacquers for coating mobile equipments at high pressure valves)* Beneficiar UPETROM Ploiești, 1994, valoare încasată fără TVA nu mai există devize.
- F.2.2.42. Tudor, I., **Ripeanu, R.G.**, Contract 606/93, *Recuperarea pulberilor metalice bogate în elemente de aliere deficitare rezultate la operația de rectificare, (Recovering metallic powders rich in deficit alloy elements resulted at grinding operation)* Beneficiar TIMKEN Ploiești, 1993, valoare încasată fără TVA nu mai există devize.
- F.2.2.43. Ulmanu, V., **Ripeanu, R.G.**, s.a., Contract 5/1993, *Analiza tehnico-științifică a unor pistoane și cămăși pentru pompele de adâncime, (Technical-scientific analyze of some pistons and shirts for rod pumps)* Beneficiar Schela Băicoi, 1993, valoare încasată fără TVA nu mai există devize.
- F.2.2.44. Antonescu, N.N., Ispas, V., **Ripeanu, R.G.**, Contract 20/93, *Studii și cercetări privind utilajul și tehnologia presării izostatică la cald cu aplicații la tratarea termo-mecanică a semifabricatelor turnate, (Studies and researches regarding equipment and technology of HIP with applications at thermo-mechanical treatments applied at cast semi-product)* Beneficiar UPETROM 1 Mai Ploiești, 1994, valoare încasată fără TVA nu mai există devize.
- F.2.2.45. Antonescu, N.N., Ispas, V., **Ripeanu, R.G.**, Contract 23/93, *Cercetări privind utilajul și tehnologia presării izostaticice la rece (CIP), cu aplicații în fabricația armăturilor placate prin metallurgia pulberilor, (Researches regarding equipments and technology for CIP with application at manufacturing valves plated by powder metallurgy)* Beneficiar UPETROM Ploiești, 1993, valoare încasată fără TVA nu mai există devize.
- F.2.2.46. Tudor, I., **Ripeanu, R.G.**, Contract 28/93, *Cercetări tribologice ale straturilor subțiri de TiN, (Tribological researches above thin layers of TiN)* Beneficiar I.N.O.E. Măgurele, 1993, valoare încasată fără TVA nu mai există devize.
- F.2.2.47. Ispas, V., Antonescu, N.N., Tudor, I., **Ripeanu, R.G.**, Contract 44/1992, *Tehnologia de realizare a armăturilor placate prin tehnica metallurgiei pulberilor utilizând compactarea izostatică la rece, (Technology of manufacturing plated valves by powder metallurgy using CIP)* Beneficiar STEROM Câmpina, 1992, valoare încasată fără TVA nu mai există devize.

(G) Other scientific work

G.1 Speciality studies,

- G1.1. Tudor, I., **Ripeanu, R.G.**, Manea, F., Drăghici, Gh., Petrescu, M., Niculescu, I.P, *Coroziunea și protecția contra coroziunii a instalațiilor de rafinărie, transport și depozitare-Suport curs postuniversitar, (Corrosion and corrosion protection of refinery, transport and stoking equipment)* Centrul de multiplicare U.P.G. Ploiești, cap.12., pp.220-238, 240 pg., 2002
- G1.2. Tudor, I., Ispas, V., **Ripeanu, R.G.**, *Normativ pentru verificarea turlelor și masturilor de producție cu durată de funcționare îndelungată- Vol. 5- Tehnologii de remediere și reparare a defectelor constatate la expertizarea turlelor și masturilor de producție, (Norm for the verification of derricks and drilling masts with long service life - Vol. 5- Technologies for remedying and repairing the defects found in the expertise of the derricks and drilling masts)* PETROM R.A., 88 pg., 1996

G.2 International mobility programs,

- G2.1. **Ripeanu, R.G. (responsabil UPG)**, CEEPUS CIII-BG-0703-06-1718 – “Modern Trends in Education and Research on Mechanical Systems - Bridging Reliability, Quality and Tribology”.

22.08.2020

Prof.dr.ing.habil. Răzvan George Ripeanu

