

LIST OF PUBLICATIONS

PROF. PHD. ENG. ION ONUȚU

1⁰ PHD THESIS:

Current number	Institution organizing doctorate	Research field	Title PHD	The title awarded	Year
T1	Petroleum&Gas University of Ploiești	Branch of science: Chemistry, Specialization: Petroleum Technology and Petrochemistry	Researching of parameters that influence the yield and distribution of catalytic cracking products	Ph. D. Engineer	1999

2⁰ BOOKS, DESIGN AND LABORATORY GUIDELINES

C. Books published in recognized publishers

C1. Ghenescu, Elena, **Onuțu, I.**, Drăgușoiu Gh., *Ecology Manual for the 9th-Class*, Editura LVS Crepuscul, Ploiești, 2004, (112 pag.), ISBN 973-8265-24-X.

C2. **Onuțu, I.**, Cap. “*Marine Pollution*“ in vol. Introduction to environmental issues, Editura Ilex, București, 2002 (40 pages). ISBN 973-85511-4-5.

C3. **Onuțu, I.**, -“ Environmental protection in field and marine drilling” –Cap. II, In vol. *Pollution and environmental protection in petroleum and petrochemicals*, Editura Brilliant, București, 1999 (21 pag.), ISBN 973-99008-2-6.

CB. SPECIALTY BOOKS FOR HIGHER EDUCATION PUBLISHED IN RECOGNITIONED EDITIONS

Cb. 1. **Onuțu, I.**, et. al., *Advanced Technologies in Oil Refining*, Postgraduate Course, Editura UPG 2004 (197 pages).

Cb. 2. **Onuțu, I.**, ș. a., *Manufacture of ecological petroleum products*, Postgraduate Course, Editura UPG 2004 (262 pages).

Cb.3. **Onuțu, I.**, et. al., *Pollutants in Petroleum industry and petrochemistry*, Postgraduate Course, Editura UPG 2004 (392 pages).

Cb. 4. **Onuțu, I** et. al. , *Lubrifianți*, Postgraduate Course, Editura UPG 2004 (246 pag.).

Cb. 5. **Onuțu, I.**, *Manufacture of ecological petroleum fuels. Complex refinery schemes*, Editura UPG 2001 (283 pages), ISBN 973-8150-108.

Cb. 6. **Onuțu, I.**, Stănică – Ezeanu D., *Environmental Protection*, Editura UPG 2003 (218 pages), ISBN 973-8150-90-6.

Cb. 7. **Onuțu, I.**, “*Petroleum Chemistry*”- course support in “Advanced Operation Polyethylene for RAS LANUF Oil & Gas Processing Co” –Libia, Editura RO-FA Center for Training & Consultancy, Ploiești 2000 (75 pag.)

Cb. 8. Bica I., Dimache, A., Alboiu, N., Iancu, I., Vraciu, S., Constantinoiu, C., Stan, C., Dumitrescu C., **Onuțu, I.**, *Assessing and remediating the historical pollution of aquifers by unconventional technologies – ERPISA*, The Excellence Research Program – CEEX 2005, Editura Conspress, București, 2008, ISBN 978-973-100-019-4 (acreditată CNCISIS), 96 p.

Cb. 9. **Onuțu, I.**, Jugănar, T., *Pollutants in petroleum industry and petrochemistry*, Editura Universității Petrol-Gaze din Ploiești, (150 pages), ISBN 978-973-719-344-5, 2010.

Cb. 10 **Onuțu, I.**, Jugănar, T., *Merchandise of petroleum products*, Editura Universității Petrol-Gaze din Ploiești, (488 pag.), ISBN 978-973-719-727-6, 2018.

DESIGN AND LABORATORY GUIDELINES

11. **Onuțu, I.**, Dumitran, Cristiana, *Environmental Protection. Petroleum and Petrochemical Pollutants - Laboratory Guidance*, Editura Universității Petrol-Gaze din Ploiești, 2012.
12. **Onuțu, I.**, **Știrimin, St.**, Ionescu, D., *Process units in petroleum and gas processing - Design Guide*, Editura UPG Ploiești, 2004 (223 pages).
13. Teșcan, V., Apostol, D., Besnea, D., **Onuțu, I.**, *Distillation Columns, Part I, Year and Diploma Project Guides*, U.P.G.Ploiești, 1997, (190 pages).
14. Ionescu, C., Dumitrașcu, G., Roșca, P., **Onuțu, I.**, *Thermocatalytic Processes - Laboratory Guidance*, IPG–Ploiești, 1985, (99 pages)
15. **Onuțu, I.**, Doicin, B., Bogatu, L., *Process installations in crude oil processing and gas-Design guide - DISTILLATION COLUMNS IN VACUUM*, in press, 2020.

3^o ARTICOLE/STUDII PUBLICATE

ARTICOLE PUBLICATE ÎN REVISTE DE SPECIALITATE DIN STRĂINĂTATE ȘI REVISTE ROMÂNEȘTI CU CIRCULAȚIE INTERNAȚIONALĂ

1. Bogatu, L., **Onuțu, I.**, Doicin Bogdan, Predictive method for chemical structure changing of turbine oil, *REV.CHIM. (Bucharest)* (70), No. 11, 2019, 4007-4012.
2. Șandru, Șt., **Onuțu, I.**, Comparative study of different blending methods used for biodiesel synthesis by transesterification, *REV.CHIM. (Bucharest)* (70), No. 5, 2019, 1866-1870.
3. Șandru, Șt., **Onuțu, I.**, Comparative study of different optimization algorithms used for obtaining diesel-biodiesel blends, *REV.CHIM. (Bucharest)* (70), No. 6, 2019, 1893-1896.
4. Rădulescu S., Negoită, L.I., **Onuțu I.**, Effective Overall Heat Transfer Coefficient Solver in a TripleConcentric-Tube Heat Exchanger, *REV.CHIM. (Bucharest)* (70), No. 6, 2019, 2040-2043.
5. **Ion Onuțu**, Mihaela Tita, Soil contamination with petroleum compounds and heavy metals-case study, Scientific Papers. Series E. Land Reclamation, *Earth Observation & Surveying, Environmental Engineering*. Vol. VII, 2018, 140-145. Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064.
6. Gheorghe, C., Bondarev, A., **Onuțu, I.**, Assesment of Water Quality Parameters in Some Potential Pollutant Areas from Romania, *REV.CHIM. (Bucharest)* (69), No. 8, 2018, 2045-2049.
7. Olărașu, L., Stoicescu, M., Mălureanu, I., **Onuțu, I.**, Considerations for Using a Hydraulic Fracturing Fluid for Breaking Crude Oil Emulsion from Reservoir, *REV.CHIM. (Bucharest)* (69), No. 6, 2018, 1498-1500.
8. Neagu, M., **Onuțu, I.**, Study of membranes performance in pervaporation of azeotropic mixtures ethanol-ethyl-tert-butyl-ether, *Buletin UPG*, Nr. 4/2017, Vol. LXIX, pag. 19-27.
9. Stoicescu, M., Stoianovici, D., **Onutu, I.**, Stoianovici, G., Considerations regarding rheological behaviour of some crude oils, *REV.CHIM. (Bucharest)* (68), No. 5, 2017, 921-925.
10. Șandru, Șt., **Onuțu, I.**, Density-Viscosity Correlations in Diesel-Biodiesel Blends, *Buletin UPG*, Nr. 3/2017, Vol. LXIX, pag. 10-14.
11. Șandru, Șt., Cursaru, D., **Onuțu, I.**, Stănică, D., Correlations between biodiesel percentage and diesel fuel properties, *Bulletin of Romanian Chemical Engineering Society*, Vol. 3, No. 1&2, 2016.
12. Stoica, M., Avram, L., **Onutu, I.**, Bărbulescu, A., Panaitescu, C., Cristescu, T., Time Behaviour of Hydrocarbon Pollutants in Soils Polluted with Oil and Salt Water, *REV.CHIM. (Bucharest)* (67), No. 2, 2016, 357-361.
13. Stoicescu, M., Stoianovici, D., **Onutu, I.**, The influence of temperature on the rheological behavior of some raw and additivated crude oils, *REV.CHIM. (Bucharest)* (67), No. 3, 2016, 524-529.
14. Popa Maria, **Onuțu I.**, – Studies on the seed germination changes after thermal decontamination of crude oil polluted soil, *Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Agriculture and Agriculture Procedia* 10 (2016) 452-457, Science Direct, Published by Elsevier B. V.

15. Rădulescu, S., Negoită, L. I., and **Onuțu, I.**, Analysis of the heat transfer in double and triple concentric tube heat exchangers, *IOP Conf. Series: Materials Science and Engineering* **Volume 147** (2016) 012148 doi:10.1088/1757-899X/147/1/012148.
16. Mihaela Neagu, **Ion Onuțu**, The Study of CO₂ Removal by Aqueous Solution of Methyl-diethanolamine through Absorption Process, *Buletin UPG*, Vol. LXVIII, No. 2/2016.
17. Doicin B., **Onuțu I.**, Pătrășcioiu C., Applying Artificial Neural Networks in Gasoline Formulation. Case Study, *Buletinul Universității Petrol-Gaze din Ploiești*, Seria Tehnică, 2015. Volumul 67, p. 15-19.
18. **Onuțu I.**, Dumitran, C., Contributions to remediation and ecological reconstruction of soils polluted with oil and petroleum products, *Buletinul Universității Petrol-Gaze din Ploiești*, Seria Tehnică, 2015. Volumul 67, p. 25-32.
19. Rădulescu. S., Negoită, L., **Onuțu I.**, Advantages and disadvantages concerning the heat transfer in tube in tube heat exchangers versus shell and tube heat exchangers, *Buletinul Universității Petrol-Gaze din Ploiești*, Seria Tehnică, 2015. Volumul 67, p. 70-79.
20. Doicin, B., Pătrășcioiu, C., Amza, C.Gh., **Onuțu, I.**, Mathematical model for studying the variation of gasoline –bioethanol blend properties, *Revista de Chimie (București)*, 66, No. 4, 2015, p. 523-528.
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25. Neagu, M., Movileanu, D., **Onuțu, I.**, Roșca, P., Fuel Consumption and CO₂ Management in Petroleum Refinery, *Buletinul institutului Politehnic Iași*, Tomul LVIII (LXII), Fasc. 3, 2012, p.79-90, [Index Copernicus, http://www.ch.tuiasi.ro/0611buletin.html](http://www.ch.tuiasi.ro/0611buletin.html).
26. Panaiteșcu Cașen, **Onuțu, I.**, Monitoring the quality of the sludge resulted from domestic wastewater treatment plants and the identification of risk factors, *Environmental Engineering and Management Journal*, **12**, p. 351-358, 2013, (IF 1.117).
27. Claudia Moșanu, **Onuțu, I.**, New Developments of Adhesives and Sealants Contributing to Environmental Sustainability, *Buletinul Universității Petrol- Gaze din Ploiești*, Seria Tehnică, vol. LXII, nr. 3A, p. 1-8, 2010.
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29. Popa, M., **Onuțu, I.**, Fluid-dynamic aspects regarding the use of cylindrical particle layers, *Simpozionul „Chimie și dezvoltare”, Pitești, 28 mai 2010*.
30. Dumitran, Cristiana, **Onuțu, I.**, Environmental risk analysis for crude oil soil pollution, *Carpathian Journal of Earth and Environmental Sciences*, April 2010, Vol. 5, No. 1, p. 83 – 92.
31. Popa, M., **Onuțu, I.**, Fluid-dynamics characteristics concerning the fixed bed usage of ring particles, *Revista de Chimie*, Vol. 61, nr. 1, 2010 ISSN 0034-7752, p. 94-97.
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33. Dumitran, Cristiana, **Onuțu, I.**, Dinu, F. - *Extraction of Hydrophobic Organic Compounds from Soils Contaminated with Crude Oil*, *Revista de Chimie*, 60, 11, 2009, ISSN 0034-7752p. 1224-1227.
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35. Ioan Bica; Ion Nicolae Alboiu, Iulian Iancu, Alexandru Dimache, Mugur Stefanescu, Anca Voicu, Mihaela Lazaroaie, Doina Cirstea, **Ion Onuțu**, Ioana Gloria Petrisor, *Innovative Forensic Assessment and Remediation Strategies for Polluted Aquifers, Environmental Forensics*, Volume 10, Issue 3 September 2009, pages 214 - 228.
36. Popa, M., **Onuțu, I.**, Heat transfer study for a tube heat exchanger in the tube, *Buletin științific, Seria Chimie și Fizică*, Nr. 1/2009, ISSN 1453-1151, Editura Universității din Pitești, pg. 44-52.

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38. **Onuțu, I.**, Stănică, D., Ștefănescu, D., Cîmpeanu Andrei, *Characterization of the condensate from Gârbovi – Urziceni gas well*, Buletin UPG, Seria Tehnică, Vol. LXNo. 4 B/2008, ISSN 1224-8495, p. 41-48.
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40. Cașen Panaitescu, **Ion Onuțu**, *Methodology to evaluate the biological wastewater treatment stage plant*, International Symposium, Mineral resources and environment engineering, Editura Univ. de Nord, Baia Mare, Oct., 2008, ISBN 978-973-1729-74-9, p. 22-27.
41. Stănică, D., **Onuțu, I.**, La formation continue pour les ingénieurs technologues du pétrole, JOURNEES INTERNATIONALES DE TECHNOLOGIE JIT 2008 *Université Pétrole Gaz de Ploiesti – Université Polytechnique de Bucarest (29 mai-1er juin 2008) « Les défis actuels de la formation des Ingénieurs et des Techniciens supérieurs pour le Développement dans l'espace francophone »*, Editura Karta-Graphic, Ploiesti 2008, ISBN 978-973-1959-20-7, Pag. 81-85.
42. Daniela Luminita Movileanu, Cornel Lazar, **Ion Onuțu**, Mihaela Petre, *Costs and investments forecast regarding the environmental protection in Romania during 2007-2008*, Global Conference on Global Warming 2008, July 6-10, Paper No: GCGW-539, ISBN 978-605-89885-0-7, p. 115.
43. **Onuțu, I.**, Dumitran Cristiana, Corrosion aspects in LPG production facilities, *Info GPL - Bulletin informativ*, Nr. 22/2008, ISSN 1582-7240, p. 3-7.
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60. **Onuțu, I.**, Achim, G., Waste management and disposal, *Revista forțelor terestre*, Nr. 2/2003, ISSN 1582-1617, p. 43-47.
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2. Stănică-Ezeanu, D., **Onuțu, I.**, Reduce emissions of pollutants into the air from petroleum refinery, *International Scientific GeoConferences SGEM – June*, Albena, 2015, p. 713-720.
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4^o RESEARCH / DEVELOPMENT PROJECTS BASED ON CONTRACT / GRA

Current number	Contract/Grant Number	Quality in the research team	Contract/Grant Title	Beneficiary
P1.	Research Contract No 1183/30.01.2020	Responsible	Elaboration of technical documentation for the formulation of liquid fuels	S.C. DYTIV S.R.L. PLOIEȘTI
P2.	Research Contract No 8679/26.07.2019	Member	Investigation in order to identify the causes and sources of pollution - boxes 1 and 2 - Vadu area. Identifying potential polluters "	Rompetrol Rafinare SA, Navodari
P3.	Research Contract No 95/08.01.2019	Responsible	Study on scenarios for establishing the activity program of PETROTEL LUKOIL in unfavorable conditions for	PETROTEL LUKOIL S.A. PLOIEȘTI

			the dispersion of pollutants in the atmosphere	
P4.	Research Contract No 251/10.01.2019	Responsible	Study on scenarios in order to establish the activity program of Petrobrazi Refinery located in Brazi commune, Trandafirilor street no. 65, Prahova county, in unfavorable conditions for the dispersion of pollutants in the atmosphere	OMV PETROM S.A.
P5.	Research Contract No 524/18.01.2019	Responsible	Study on scenarios in order to establish the activity program of LUKOIL ENERGY & GAS ROMÂNIA S.R.L. in conditions unfavorable to the dispersion of pollutants	SC LUKOIL ENERGY & GAS ROMÂNIA
P6.	Research Contract No 250/10.01.2019	Responsible	Study on scenarios in order to establish the activity program of ROMPETROL REFINERY - WORKING POINT VEGA REFINERY in unfavorable conditions for the dispersion of pollutants in the atmosphere	ROMPETROL RAFINARE-PUNCT DE LUCRU RAFINĂRIA VEGA
P7.	Research Contract No. 1241/14.02.2018	Responsible	Technical expertise on the evaluation of the physico-chemical characteristics of oils used in screw compressors	INSTITUTUL NAȚIONAL DE CERCETARE – DEZVOLTARE TURBOMOTOARE <i>COMOTI</i>
P8.	Research Contract No. 822/01.02.2018	Member	Conformity Assessment Study of Components for Fuels Obtained by Conditioning of Waste Oil and Other Dangerous Petroleum (Petroleum), at Steaua Romana Refinery	STEAUA ROMANA CAMPINA
P9.	Research Contract No. 11/11.04.2016	Member	Study on the criteria for determining the degree of waste oil collection in Romania	LUBRICHEM BUCUREȘTI
P10.	Research Contract No. 29 d/ 09 octombrie 2015	Director	Research studies for the reformulation of a fuel oil by processing waste oils	SC DYTIV SRL
P11.	Research Contract No. 42 / 08.12.2014	Director	Research and technical expertise on the evaluation of the technological consumption coefficients, specific for the storage and handling of finished petroleum products, in the Rompetrol warehouses and stations	ROMPETROL DOWN STREAM
P12.	Sevice Contract No. 34 / 02.10.2014	Member	Service contract for the assessment of actual oil product losses in the Petromidia and Vega refineries; SC PETRODESIGN S.A. Bucharest	ROMPETROL RAFINARE
P13.	Service Contract No. 12, i 20.05.2014	Director	Research and expertise in obtaining, formulation and distribution of ECOTERM oil products in SC ECO OIL RECYCLING SRL	CABINET INDIVIDUAL DE AVOCATURĂ „STOICA E. CARMEN”
	Research Contract No.		Research and expertise in obtaining, formulating and distributing petroleum	SC ROMECO INTERNATIONAL

P14.	24, nov. 2013	Director	products in SC ROMECO International Service SRL	SERVICE COMPANY SRL
P 15.	Research Contract No., 29 march 2013	Director	Research on the quality of water, especially drinking water, starting from the characteristics of the studied areas (upstream forest area of the Măneciu Dam in the Teleajen River Basin, Prahova County - very large accumulation and the Forest Area near the Babele local adduction - Odobesti small dam, Vrancea County) and with national expansion, mainly in areas vulnerable to pollution, in order to determine the strategic lines in this field	<i>Beneficiar:</i> RNP-ROMSILVA PR.CC-WARE – SEE/D/0143/2.1/X
P 16.	Research Contract No. 16, April 2013	Director	Research and design of waste oil refurbishment technology	SC DYTIV SRL
P 17.	Contract no 14/2013	Member	Study of in situ corrosion processes at the Til Gas plant on the Lukoil Petrotel platform	Lukoil Petrotel
P 18.	Contract No 14/2011	Director	The emulsion reduction /Improving of separation in Desalination Plant”,	OMV Petrom
P 19.	Contract No 16/2011	Member	Reduction of foaming in coke drums	OMV Petrom
P 20.	Research Contract No. 2/2009	Member	Research on the partial substitution of automotive gasoline with blends of ether-gasoline-alcohols	CNCSIS
P21.	Sectoral Operational Program Human Resources Development 2007-2013, Proiect POSDRU 86/1.2/S/56711	Study Program Manager - Long Term Expert	“Quality and expertise in developing and implementing the methodology for obtaining and testing competitive products through vocational training in new master programs with a major impact on the labor market”	29.10.2010- 29.10.2013
P 22.	Research Contract CTTIAP, No. 141/2010	Member	Thermal energy balance on 04-H1, 04-H2 and 04-H3 ovens in Catalytic reforming	Beneficiar SC Petrotel-Lukoil SA
P23.	Research Contract UPG No. 142/2010	Member	Study of in situ processes in some crude oil processing plants and its derivatives on Petromidia-Năvodari platform of Rompetrol-refining	SC Rompetrol- rafinare SA
P 24.	Research Contract UPG No. 13/2009	Membru	Elaboration of Technical Norms on Gas Odorization in the National Natural Gas Transport System	Societatea Națională de Transport Gaze TRANSGAZ SA Mediaș
P 25.	Research Contract No. 5/26. 01.2009	Director	Physical and chemical status analyzes, determinations, processing, interpretations and experiments on the energy performance of petroleum products of the fuel type and coke, subject to energy modifications	SC ROMANIAN SCIETIFIC ARTIFACTS SRL
	Research ContractNo.	Director	Translation of the Manual BMS 03-Health, Safety and Environment, emis	SC FOSERCO SA

P 26.	38/2009		de Weatherford Drilling International Business Management System	WEATHERFORD
P 27.	Research Contract No, 5/01.02.2008	Member	Study of corrosion control on floors of different origins and other materials used in compressing stations and b) Study of the application of sludge from the high water content of oil products that are injected into the wells	
P 28.	Research Contract No. 80/05.11.2007	Member	BIONIC – Sustainable Biofuels in the Comunity	EIA (ENERGY INTERNATI-ONAL AGENCY)
P 29.	Research Contract No. 68/2007	Member	Ecological - energy - superior recovery technologies of bioethanol, Program PN II - P4 Partnerships, CNMP	Program PN II – P4 Parteneriate, CNMP
P 30.	Research Contract No. CEEX No. 55/ 2006	Member	Microwave fields used for the synthesis of antiscalants and anticorrosive polymers for the protection of industrial installations	MENER
P 31.	Research Contract No. CEEX Nr. 616/ 3.10.2005 Cod MEC PC-D06-PT25-382	Director	Evaluating and remedying historical pollution of aquatic life through unconventional technologies	MENER
P 32.	Research Contract No. CEEX Nr. 641/ 3.10.2005 Cod MEC PC-D06-PT17-535	Member	Study on the detection, prevention and combating of ascent pollution	MENER
P 33.	Research Contract No. 54/2004	Member	Development of integrated research platforms for energy	MEC
P 34.	Research Contract No. 50/2004	Member	Multifunctional fuels and lubricants with high degree of biodegradability	MENER
P 35.	Research Contract No. 23/2004	Member	Management of Environmental Protection in Agro/Rural Touristic Societies – Leonardo da Vinci Sistema – Turism Potenza – Italia, 2004	MEC
P 36.	PHARE Project No RO 0107.10-03	Expert	<i>Harmonisation with Oil Stockpiling and Crisis Management Rules</i>	Ministerul Economiei și Comerțului
P 37.	Research Contract No. 251/2002	Member	Additives for reducing aerosol content in Ploiesti	MENER
P 38.	Research Contract No. 3/2004	Director	Elaboration of mixing recipes for obtaining commercial motor oil. Solution study	VGB București
P 38.	Research Contract No. 20/2003, Step I	Member	Experimental study of bioremediation of contaminated soils and subsoils with hydrocarbons	PETROM Ploiești
P 39.	Research Contract No. 20/2003, Step II	Member	Experimental study of bioremediation of contaminated soils and subsoils with hydrocarbons	PETROM Ploiești
	Research Contract No.	Member	New contributions to decontamination	

P40.	22/2004, Step I		of soils and basements polluted with petroleum products through the bioremediation process	PETROM Ploiesti
P 41.	Research Contract No. 12/2002	Director	Technological unit for conditioning and additive of diesel fuel at SC Salonta SA Timișoara	PETROSTAR Ploiești
P 42.	Research Contract No. 57/2002	Member	Additives for reducing aerosol content in Ploiesti	MENER
P 43.	Research Contract No.. 33/ 2001	Member	Bitumen from petroleum distillation tanks	RELANSIN
P 44.	Research Contract No. 74/2001	Member	Selective hydrogenation catalysts, obtained by partial poisoning	MATNANTECH
P 45.	Research Contract No. 75/2001	Member	Bifunctional ion-exchange catalysts	MATNANTECH
P 46.	Research Contract No. 76/2001	Member	Antioxidant additives for automotive fuels from crezoli recuperations	RELANSIN
P 47.	Research Contract No. 6/2001	Director	Formulations of octane and ecological gasoline formulations	PETROSTAR Ploiești
P 48.	Research Contract No. 49/2001	Member	Determination of technological consumptions for oil, gasoline and condensate transport activity from picking points to refineries	CONPET Ploiești
P 49.	Research Contract No. 15/2000	Director	Study of the pollutant effect of mine water discharges on receiver from the mining area Câmpulung Muscel	Exploatarea Minieră C-Lung Muscel
P 50.	Research Contract No. 16/2000	Member	Study of optimal recipes for blending between the Pontic and Dacian assortments at the Golești Heritage Shelter for the production of coal with the required caloric power	Exploatarea Minieră C-Lung Muscel
P 51.	Research Contract No. 632/1999	Member	Micropile innovative system for testing the regenerability of cracking catalysts	M.C.T.
P 52	Research Contract No. 632/1999	Member	Calculation of the performance of C1, C2 and C5 columns at the PETROBRAZI DAV2 unit under the performance test	SC Petrobrazi SA.
P 53.	Research Contract No. 13/ 1997	Member	Technological calculation of an existing column system to determine the operating conditions for obtaining industrial solvents	SC Petrobrazi SA.
P 54.	Research Contract No. 1239/1996	Member	Management of environmental problems in the Prahova Valley for tourism purposes	M.C.T.
P 55.	Research Contract No. 5018/203/1996	Member	Study of underground water pollution in the Brazi-Bărcănești-Ploiești Sud area with petroleum products	C.N.C.S.U. - M.I.
P 56.	Research Contract No. 33/1992 (Step I)	Member	Study on the modernization of the R.V. of petroleum refinery residues	M.E.S.T.
P 57.	Research Contract No. 33/1992 (Step II)	Member	Study on the modernization of the R.V. of petroleum refinery residues	M.E.St.
P 58	Research Contract No. 17/1992 (Step II)	Member	Study on Modernization of the Catalytic Cracking Process	M.E.St.
		Member	Technology for conditioning and	

P 59.	Research Contract No. 24/1992		evacuation of harmful gases from underground combustion processes at Suplacu de Barcău to avoid environmental pollution	PETROSTAR S.A. Ploiești.
P 60.	Research Contract No. 17/1991	Member	Study of the revamping and modernization of the main thermal and catalytic processes in the refineries	M.E.St.
P61.	Research Contract No. 17/1990	Member	Study of the possibilities of increasing coke production	C.I.R.P.Brazi.
P 62.	Contract Nr. 40/1989	Member	Research on the modernization of the viscosity reduction process by introducing the reaction chamber	I.C.I.T.P.R. Ploiești.
P 63.	Research Contract No. 52/1988	Member	Technological analysis of the Catalytic Cracking unit at C.P.Borzești	I.C.I.T.P.R. Ploiești.
P 64.	Research Contract No. 39/1986.	Member	Technological analysis of the diesel gasification unit in C.P. Teleajen	I.C.I.T.P.R. Ploiești
P 65.	Research Contract No. 32/1985.	Member	Improving the performance of the electrical desalination plant in C.P. trees	I.C.I.T.P.R. Ploiești
P 66.	Research Contract No. 105/1985.	Member	Study of the influence of the components of the starting material on the alkylation reaction of benzene to isopropyl benzene	C.I.R.P. Brazi
P 67.	Research Contract No. 30/1985	Member	Electric oil desalination of on- shore oil drilling	Schela Boldești- Scăeni

5^o SCIENTIFIC COMMUNICATIONS AT INTERNATIONAL AND NATIONAL CONGRESSES AND CONFERENCES

1. **Onuțu, I.**, Remediation technologies for historical contamination in the areas of the oil industry; trends at the Workshop, “Historical contamination; Impact, risk assessment, remedial technologies, case studies”, May 7, 2019, Ploiești - Romania.
2. Stănică-Ezeanu, D., **Onuțu, I** Stănică-Ezeanu, D., **Onuțu, I.**, Jet fuel production by kerosene hydrotreating, *2nd International Conference on Petrochemistry*, Roma, April 2018.
3. Mihaela NEAGU, **Ion ONUTU**, Membrane separation process –pervaporation for the dehydration of alcohol/water mixture, *WEC CENTRAL & EASTERN EUROPE REGIONAL ENERGY FORUM, 13 th Edition, FOREN 2016*, Costinești, România.
4. Popa, M., **Onutu, I.**, Studies on the seed germination after thermal decontamination of crude oil polluted solis, „*The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest "Agriculture for Life, Life for Agriculture"*”, 9-11 iunie IUNIE 2016.
5. Sînziana Rădulescu, **Onuțu, I.**, Analysis of the heat transfer in triple and double concentric tube exchangers, *6th International Conference on Advanced Concepts on Mechanical Engineering*, Iași, 9-10 iunie 2016.
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