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CONFERINȚA NAȚIONALĂ CHIMIE. MEDIU. ENERGIE

EDIȚIA A VII-A, 14 Noiembrie 2025

SALA de LECTURĂ (Corp I, et.1)

8:30 - 9:00	Registration of the participants (ROOM FA1)
9:00 – 9:05	Official Opening of the conference
9:05 – 9:10	Rector of Petroleum Gas University of Ploiesti – Assoc. prof. PhD. Alin DINIȚĂ
9:10 – 9:15	Dean of Petroleum Refining and Petrochemistry Faculty – Assoc. prof. PhD. Cristina Maria DUȘESCU-VASILE
9:15 - 9:20	Sch. Insp. ISJ Prahova prof. Adriana Nicoleta MIHAI
9:20 – 9:25	President of the scientific committee – Prof. PhD. Daniela Roxana POPOVICI
9:25 – 9:30	eng. Mircea Constantin PETCU – AZOMURES SA Târgu-Mures – message for participants
9:30 – 9:45	NITECH COMPANY Presentation
9:50 – 10:00	Vegetable – Based Dairy Products: Between Law and Reality , Bratu Mihaela – Izabela, Chiorpec Elena –Roxana Petroleum Gas University of Ploiesti Coordinators: Assoc. Prof. Phd. Eng. Cristina Dutescu – Vasile, Teaching Assist. Phd. Eng. Anca Borcea
10:00 – 10:10	Valorisation of Grape Pomace in Active Packaging for the Preservation of Food Products , Rindunica Madalin – Ionut, Ochiana Victor Petroleum Gas University Of Ploiesti Coordinator: Prof Phd. Eng. Dorin Bombos
10:10 – 10:20	The Chemistry of Natural Products , Soba Manuel Adao, Mamadou Gando Diallo Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof.PhD.Biochem. Catalina Gheorghe
10:20 – 10:30	The Technology of the Future for a Clean Climate , Preda Florin – Daniel Petroleum Gas University Of Ploiesti



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Coordinator: Assist. Prof. Phd. Eng. Maria Popa

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10:30 – 10:40	The Black Paradox: Powering the World, Polluting its Future , Ciobanu Denisa – Elena, Constantinescu Denisa Elena Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Biochem. Catalina Gheorghe
10:40 – 10:50	Technological Variants for Separating Water From Fusel Oil for its Use as a Biocomponent in Gasoline and in Diesel Fuel , Toceanu Alexandru Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Eng. Mihaela Neagu
10:50 – 11:00	Sources of Calcium from Dairy Products , Florea Alin, Serban Maria, Moise Rebeca Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Biochem. Catalina Gheorghe
11:00 – 11:10	Say Goodbye to Puddles , Sandu Georgiana – Stefania, Cristescu Andrei Vlad Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Eng. Cristina Maria Dutescu – Vasile
11:10 – 11:20	Improving the Oxidative Stability of Linseed Oil using Green Tea Extract as a Natural Additive , Oprea Maria Alexandra, Ungureanu Gabriela Ionela, Lepadatu Luiza, Petroleum Gas University Of Ploiesti Coordinator: Assist. Eng. Marian Bajan
11:20 – 11:40	Break
11:40 – 11:50	When the Balance Breaks: The Effects of Greenhouse Gas Growth , Zakieva Marharyta, Dragan Raluca, Cotorobai Daniel Petroleum Gas University Of Ploiesti Coordinator: Assoc.Prof. Phd. Biochem. Catalina Gheorghe



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11:50 – 12:00	The Use of Pyrolysis on Plastic and the Benefits on the Environment , Butnariu Alberto – Costin Petroleum Gas University Of Ploiesti, Coordinator: Assoc. Prof. Phd. Biochem. Catalina Gheorghe
12:00 – 12:10	Pollution Made Simple , Lazarescu Octavian, Frumosu Stefan Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Biochem. Catalina Gheorghe
12:10 – 12:20	Lithium and Water: The Paradox of a Green Revolution , Iancu Iuliana, Duia Carla Elena, Talpalariu Ruxandra Gabriela Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Biochem. Catalina Gheorghe
12:20 – 12:30	Lignin as Bitumen Modifier , Oleinic Sofia Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Eng. Cristina Dutescu – Vasile, Assist. Eng. Marian Bajan
12:30 – 12:40	Evaluation of the Efficiency and Environmental Impact of Alternative Energy Sources, by the Life Cycle Assessment Method (LCA) , Valeanu Teodor – Andrei Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Eng. Irina Liana Bogatu
12:40 – 12:50	The Environmental Impact of Electric Car Batteries , Gisca Gabriela, Maleca Sabina Petroleum Gas University Of Ploiesti Coordinator: Prof. Phd. Eng. Daniela Popovici
13:00– 13:55	Lunch Break
14:00 -14:10	Insights Into Adsorptive Removal of Crystal Violet from Aqueous Solutions using Spent Grain From Mal Whisky , Dragan Alexandru – Iulian, Toader Mihai Petroleum Gas University Of Ploiesti Coordinator: Assist. Prof. Phd. Eng. Laurentiu Mihai Palade



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14:10 – 14:20	Carbon Capture and Storage (CCS) – A Way to Reduce CO₂ Emissions , Moise Alexandra Elena, Oproiu Izabela Gabriela Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Biochem. Catalina Gheorghe
14:20 – 14:30	Comparative Study on the Adsorptive Performance of Different Activated Carbons Toward Cefotaxime Removal , Fratila Ciubotaru Paula Alexandra ¹ , Harja Diana ² 1 2 nd Year Chemical Engineering Student At “Gheorghe Asachi” Technical University Of Iasi, “Cristofor Simionescu” Faculty Of Chemical Engineering And Environmental Protection, Iasi, Romania, Chemical Engineering 2 4 th Year Student At “Grigore T. Popa” University Of Medicine And Pharmacy, Faculty Of Medicine, Iasi, Romania Coordinator: Assoc. Prof. Phd. Eng. Nicolae Apostolescu
14:30 – 14:40	Mn²⁺ - Doped ZnO: An Efficient Photocatalyst for Cefotaxime Remediation in Water , Pravat Calin George ¹ , Hanganu Diana ² 1 2 nd Year Student At “Gheorghe Asachi” Technical University Of Iasi, “Cristofor Simionescu” Faculty Of Chemical Engineering And Environmental Protection, Iasi 2 2 nd Year Phd Student At “Gheorghe Asachi” Technical University Of Iasi, “Cristofor Simionescu” Faculty Of Chemical Engineering And Environmental Protection, Iasi Coordinator: Assist. Prof. Phd. Eng. Gabriela Antoaneta Apostolescu
14:40 – 14:50	Photocatalytic Degradation of Acyclovir using Mn²⁺ - Doped ZnO Nanocomposites , Ceausu Francesco Iulian ¹ , Harja Diana ² , Hanganu Diana ¹ 1 2 nd Year Chemical Engineering Student At “Gheorghe Asachi” Technical University Of Iasi, “Cristofor Simionescu” Faculty Of Chemical Engineering And Environmental Protection, Iasi 2 2 4 th Year Student At “Grigore T. Popa” University Of Medicine And Pharmacy, Faculty Of Medicine, Iasi, Romania Coordinator: Assist. Prof. Phd. Eng. Gabriela Antoaneta Apostolescu
14:50 – 15:00	Valorisation of Organic Waste for Adsorbant Media , Minea Madalina Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Eng. Cristina Dutescu – Vasile



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15:00 – 15:10	From Crisis to Clean Seas: The Future of Oil Spill Response , Manea Irina, Hajder Iuliana, Purda Gabriela Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Eng. Cristina Dutescu – Vasile
15:10 – 15:20	Catalytic Oxidation of Bitumen , Marciuc Marius Petroleum Gas University Of Ploiesti Coordinator: Assoc. Prof. Phd. Eng. Cristina Dutescu – Vasile, Assist. Eng. Marian Bajan
15:20 – 15:30	Chemical Analysis of Energy Drinks: Stimulation or Illusion? Carmen Datcu Petroleum Gas University Of Ploiesti Assoc. Prof. Phd. Eng. Cristina Dușescu-Vasile, Teaching Assist. Phd. Chem. Ana Maria Manta
16:00	Awards Ceremony