

## LISTA DE LUCRĂRI ȘTIINȚIFICE

Drd. Ing. Diana-Andreea LUPU

### 1. ARTICOLE PUBLICATE IN REVISTE DE CIRCULAȚIE INTERNAȚIONALĂ, SPECIFICE DOMENIULUI, COTATE I.S.L. SAU INDEXATE ÎN BAZE DE DATE INTERNAȚIONALE (7 ARTICOLE)

1. **Lupu Diana-Andreea**, " *Current trends in the exploitation of mature gas fields in the context of rehabilitation concept*", 9th International Conference on Manufacturing Science and Education- "Trends in New Industrial Revolution" , 2019, Sibiu, 5-7th June, Romania, MATEC Web of Conferences, Volume 290 (2019), DOI: <https://doi.org/10.1051/mateconf/201929010005>, WOS: 000569367700115.
2. **Lupu Diana-Andreea**, Ștefănescu D-P.,: "*Brown field management opportunities to reduce the back pressure effects on the gas wells*" 8th International Conference on Manufacturing Science and Education- "Trends in New Industrial Revolution" , 2017, Sibiu, 7-9th June, Romania, MATEC Web of Conferences ,Volume 121 (2017), <https://doi.org/10.1051/mateconf/201712109008>, WOS: 000435283800110.
3. **Lupu Diana-Andreea**, Ștefănescu, D-P., "*Improved recovery techniques and methods used to stimulate the well production based on reservoir characteristics* ", 18th International Multidisciplinary Scientific GeoConference SGEM 30 iunie-9 iulie 2018, Albena,Bulgaria, Conference Proceedings, Volumul 18, Mineral Processing,Oil and Gas Exploration, Science and Technologies in Geology, Exploration and Mining, Nr.1.4, ISSN 1314-2704, DOI [10.5593/sgem2018/1.4/S06.063](https://doi.org/10.5593/sgem2018/1.4/S06.063), pag 475-482.
4. **Lupu Diana-Andreea**, Foidaș I., "*Production optimization of natural gas reservoirs with water influx using remedial approaches*" , 18th International Multidisciplinary Scientific GeoConference SGEM 30 iunie-9 iulie 2018, Albena,Bulgaria, Conference Proceedings, Volumul 18, Mineral Processing,Oil and Gas Exploration, Science and Technologies in Geology, Exploration and Mining, Nr.1.4, ISSN 1314-2704, DOI [10.5593/sgem2018/1.4/S06.093](https://doi.org/10.5593/sgem2018/1.4/S06.093), pag 711-718.
5. **Lupu Diana-Andreea** , Ștefănescu D-P., "*Technical and economic evaluation of a mature gas field considering the conversion in gas storage reservoir*", 17th International Multidisciplinary scientific Geocoference SGEM 2017,Albena, Bulgaria 29 June-5 July, 2017,Applied and Enviromental Geophysics Oil and Gas Exploration, Volume 17, Science and Technologies in Geology, Exploration and Mining, Issue 14, DOI: [10.5593/sgem2017/14/S06.115](https://doi.org/10.5593/sgem2017/14/S06.115), pag. 919-926.
6. **Lupu Diana-Andreea**, Foidaș I., Șuțoiu F., "*Depleted gas reservoir management improvement by implementing specialized mobile teams* ", AGH Drilling Oil and Gas, Volume 35, Nr.1, 2018 Polonia, Cracovia, e-ISSN 2300-7052, DOI: <http://dx.doi.org/10.7494/drill.2018.35.1.271>, pag 271-282.



7. **Lupu Diana-Andreea**, Ștefănescu D-P., Foidaș I., "Analyzing and forecasting the performance of water drive gas reservoirs", AGH Drilling Oil and Gas, Volume 36, Nr.1, 2019 Polonia, Cracovia, e-ISSN 2300-7052, DOI: <http://dx.doi.org/10.7494/drill.2019.36.1.143>, pag 143-159.

## **2. LUCRĂRI PUBLICATE IN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE NAȚIONALE RECUNOSCUTE (CU ISSN SAU ISBN) (2 ARTICOLE);**

1. **Lupu Diana-Andreea**, "Current Trends in the Exploitation of Mature Gas Fields to Capitalize the Energy Potential", Recent Developments in Engineering Research Vol. 11, 17 February 2021, ISBN 978-93-90768-02-8 (Print), ISBN 978-93-90768-03-5 (eBook), Editura BP International, Page 97-106, <https://doi.org/10.9734/bpi/rder/v11/7133D>
2. **Lupu Diana-Andreea**, Lazăr A., "Potențialul energetic al zăcămintelor de gaze naturale din bazinul Transilvaniei – situația actuală și de perspectivă", EMERG Energie. Mediu. Economie. Resurse. Globalizare vol. 9, ISSN 2457-5011, Editura Agir Conferința „Gazul natural – Resursă vitală de energie pentru România” 23 mai 2019, București, OMV Petrom, <https://dev.digitix.ro/cnr-cme/events/conferinta-gazul-natural-resursa-vitala-de-energie-pentru-romania/>.

## **3. LUCRĂRI PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE NAȚIONALE (FĂRĂ ISSN SAU ISBN) (5 ARTICOLE);**

1. **Lupu Diana- Andreea**, Avram Lazăr, "Influența dificultăților tehnologice ale sondelor asupra potențialului energetic al zăcămintelor de gaze naturale", 15th WEC Central Eastern Europe Regional Energy Forum –FOREN 2020, 10 Septembrie 2020, online, [https://upb.ro/wp-content/uploads/2020/03/Program\\_preliminar\\_FOREN2020\\_Online-v18.pdf](https://upb.ro/wp-content/uploads/2020/03/Program_preliminar_FOREN2020_Online-v18.pdf)
3. **Lupu Diana-Andreea**, Foidaș I., "Soluții pentru refacerea mediului poluat de industria extractivă a gazelor naturale", Zilele Academiei de Științe Tehnice din România 2018, Ediția a 13 - a, Ploiesti, Romania, Editura Agir, Proceedings Zilele Academice ale ASTR ediția a XIII-a 2018, ISSN 2066-6586, <http://www.astr.ro/wp-content/uploads/2018/09/Flyer-ASTR-v2.pdf>.
2. Ștefănescu, D-P., **Lupu Diana-Andreea**, "Challenges and solutions to achieve the quality parameters of natural gas", 14th WEC Central Eastern Europe Regional Energy Forum – FOREN 2018, 10-14 iunie, Costinesti, Romania, <http://cnr-cme.ro/en/foren-2018-2/>.
3. **Lupu Diana-Andreea**, "Gas dehydration by using deliquescent salts, a successful application to achieve the quality parameters", Society of Petroleum Engineers Young Professional Oil and Gas Symposium, 7 Decembrie 2017, București.
4. **Lupu Diana-Andreea**, Foidaș I., "Lessons learned during the fracturing campaign performed in Transylvanian basin", Society of Petroleum Engineers Romanian Section Symposium, 15th March 2017, Mediaș.

#### **4. REFERATE DE CERCETARE ȘTIINȚIFICĂ ELABORATE ȘI SUȚINUTE ÎN CADRUL TEZEI DE DOCTORAT “CONTRIBUȚII PRIVIND STIMULAREA AFLUXULUI DE GAZE NATURALE ÎN SONDELE CU DIFICULTĂȚI TEHNOLOGICE, PRIN REABILITAREA SISTEMULUI ZĂCĂMÂNT-SONDĂ”**

1. Tendințe actuale privind exploatarea zăcămintelor mature de gaze naturale în contextul conceptului de reabilitare.
2. Probleme și dificultăți majore specifice sondelor de gaze naturale. Studii de caz.
3. Metode și tehnici de remediere a problemelor și dificultăților aferente sondelor de gaze naturale. Studii de caz.

#### **5. LUCRĂRI ACCEPTATE SPRE PUBLICARE (3 articole)**

1. **Lupu Diana- Andreea**, Avram Lazăr, “*Improving the productivity of gas wells by stimulating “tight” formations - perspectives for continuation of exploitation in the Transylvania basin*”, UNIVERSITARIA SIMPRO 2021 (Quality and innovation in education, research and industry - the success triangle for a sustainable economic, social and environmental development), 27 Mai 2021.
3. **Lupu Diana- Andreea**, “*Case studies - Research and technological solutions to prevent sand production in the gas wells from the Getic Depression*”, 10th International conference on manufacturing science and education (MSE 2021), Sibiu, 2-4 Iunie 2021.
3. **Lupu Diana- Andreea**, “*Natural gas hydrates vs. induced dysfunctions in the hydrocarbon extraction process*”, 10th International conference on manufacturing science and education (MSE 2021), Sibiu, 2-4 Iunie 2021.

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