

UNIVERSITATEA DIN PETROȘANI
FACULTATEA DE MINE
DEPARTAMENTUL MANAGEMENT ȘI INGINERIE INDUSTRIALĂ

Concurs pentru ocuparea postului de Conferențiar universitar, poziția 8
Disciplinele: Diagnosticul și evaluarea afacerilor, Evaluarea tehnico-economică a proiectelor
Domeniul: INGINERIE ȘI MANAGEMENT

LISTA DE LUCRĂRI

Candidat: MANGU SORIN-IULIU

(Șef lucrări din data de 01.03.1999, doctor din data de 31.05.2008)

A. Lucrări relevante pentru realizările profesionale proprii

1. **Mangu Sorin-Iuliu** - *Diagnosticul și evaluarea afacerilor*, Editura Universitas, Petroșani, 2023, ISBN 978-973-741-928-6 (162 pagini)

2. **Mangu Sorin-Iuliu** - *Evaluarea tehnico-economică a proiectelor*, Editura Universitas, Petroșani, 2023, ISBN 978-973-741-927-9 (96 pagini)

3. Simionescu Aurelian, **Mangu Sorin-Iuliu** - *Microeconomie*, Litografia Universității din Petroșani, Petroșani, 1999 (348 pagini)

4. **Mangu Sorin-Iuliu**, Bușe Florian, Bușe Gheorghe-Florin (2016) - *Various Schemes Given by the Reorganization of Big Energy Companies to Increases their Efficiency*, 16th International Multidisciplinary Scientific Geoconference SGEM 2016, Science and Technologies in Geology, Exploration and Mining, SGEM 2016, Pages: 1001-1008, Accession Number: WOS:000395499700129 ISBN:978-619-7105-56-8, ISSN: 1314-2704, IDS Number: BHOLQ

5. **Sorin Iuliu Mangu** - *Considerations Regarding The Use of Money Flows in Assessment of Projects in The Mining Enterprises in Romania*, 13th International Multidisciplinary Scientific Geoconference SGEM 2013, SGEM 2013 Conferences Proceedings, ISBN 978-619-7105-05-6, ISSN 1314-2704, vol. II, 57-64 pp

6. **Sorin Iuliu Mangu**, Diana Cornelia Csilinga, Carmen Daniela Mangu (2012), - *The Valuation Of Mining Properties In Romania: Approach Based On The Patrimonial Value Opposed To Approach Based On The Flux Value*, 12th International Multidisciplinary Scientific GeoConference SGEM2012 Conference Proceedings/ ISSN 1314-2704, June 17-23, Vol. 1, 927 - 934 pp, DOI: 10.5593/sgem2012/s03.v1071, WOS:000348530900119

7. **Sorin Iuliu Mangu**, Gheorghe-Florin Bușe, Diana Cornelia Csilinga, (2011) - *Use of Cost Information in Decision-Making in the Mining Enterprises*, 11th International Multidisciplinary Scientific GeoConference SGEM2011,, SGEM2011 Conference Proceedings, June 20-25, 2011, Vol. 1, pp. 1051-1058 ISSN: 1314-2704, WOS:000307366000141

8. **Sorin-Iuliu MANGU**, Diana-Cornelia CSILINGA, Mirela ILOIU, Roxana Claudia HERBEI (2020) - *Concepts of Necessary Costs to Be Used in the Mining Enterprise Decisions*, Inzynieria Mineralna-Journal Of The Polish Mineral Engineering Society, vol 2, pp 99-103, DOI 10.29227/IM-2020-01-48, Accession Number: WOS:000607457500020, ISSN:1847-6996 Indexed 2021-02-03, Document Type Article

9. **Sorin-Iuliu MANGU**, Diana-Cornelia CSIMINGA, Mirela ILOIU, Aronel MATEI, (2019) - *Particular Aspects of Use Resources of Mineral Useful Substance*, Inzynieria Mineralna-Journal Of The Polish Mineral Engineering Society, Issue 2, page 139-142, DOI: 10.29227/IM-2019-02-24, WOS:000530703600023 ISSN: 1640-4920

10. **Mangu Sorin-Iuliu** - *Considerations on the Classification Systems of Mineral Resources*, Annals of the University of Petroșani, Mining Engineering, Vol. 23-2022, ISSN 1454-9174 Categoria B+ (codul 22), www.upet.ro/annals/mining/pdf

B. Teza(ele) de doctorat

Mangu Sorin-Iuliu - *Costuri relevante în fundamentarea deciziilor de utilizare a factorilor de producție capital și zăcămint în perimetrele miniere existente*, Universitatea din Petroșani, Conducător științific: Prof. univ. dr. ing. Simionescu Aurelian (diplomă seria H, numărul 0009053, emisă în baza Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului nr. 3.492/23.03.2010, Calificativul: Foarte Bine).

C. Teza(ele) de abilitare

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D. Brevete de invenție și alte titluri de proprietate intelectuală

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E. Cărți și capitole în cărți

E1. Cărți sau capitole de cărți (monografii, tratate) publicate la edituri de prestigiu din străinătate

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E2. Cărți sau capitole de cărți (monografii, tratate) publicate la edituri din țară, recunoscute CNCS

1. **Mangu Sorin-Iuliu** - *Diagnosticul și evaluarea afacerilor*, Editura Universitas, Petroșani, 2023, ISBN 978-973-741-928-6 (162 pagini)

2. **Mangu Sorin-Iuliu** - *Evaluarea tehnico-economică a proiectelor: îndrumar de proiect*, Editura Universitas, Petroșani, 2023, ISBN 978-973-741-927-9 (96 pagini)

3. **Mangu Sorin-Iuliu** - *Microeconomie: sinteze teoretice și teste grilă*, Editura Universitas, Petroșani, 2022, ISBN 978-973-741-848-7 (195 pagini)

4. Furdui Ersilia, Munteanu Rareș, Ionică Andreea-Cristina, Băleanu Virginia, Corbu Corina, **Mangu Sorin-Iuliu**, Iloiu Mirela - *Ingineria și managementul proiectelor*, Editura Universitas, Petroșani, 2019, ISBN 978-973-741-659-9, 484 pagini (partea a II-a, Capitolul 3, *Evaluarea proiectelor*, 38 pagini)

5. **Mangu Sorin-Iuliu**, Csiringa Diana, *Tratat Managementul și asigurarea calității* Dobrițoiu Nicolae coordonator, ediție electronică, diskul I, editura Universitas, Petroșani, 2007, ISBN 973-74-021-1 Capitol *Managementul cercetării și dezvoltării* (54 pagini)

6. **Mangu Sorin-Iuliu**, Csiringa Diana, *Tratat Managementul și asigurarea calității* Dobrițoiu Nicolae coordonator, ediție electronică, diskul I, editura Universitas, Petroșani, 2007, ISBN 973-74-021-1 Capitol *Economie inginerescă* (73 pagini)

7. Popa Horia Liviu (coordonator) - *Management strategic, Manual de inginerie economică*, Editura Dacia, Cluj-Napoca, 2002, ISBN 973-35-1524-8, 510 pagini (paragraful 3.3. Analiza competitivității afacerilor / firmei / rețelei de firme (38 pagini), paragraful 3.5. Elaborarea și analiza alternativelor strategice (30 pagini), paragraful 5.10.2. Probleme de strategie ale Companiei Naționale a Huilei Petroșani (15 pagini), autori: Simionescu Aurelian, **Mangu Sorin-Iuliu**)

8. Simionescu Aurelian, Băleanu Virginia, **Mangu Sorin-Iuliu**, Semen Manuel Viorel - *Proiect economic privind managementul firmei*, Editura Aeternitas, Alba Iulia, 2002, ISBN 973-85682-2-6 (132 pagini)

E3. Cărți sau capitole de cărți (monografii, tratate), cu ISBN, publicate într-o editură din țară

1. Simionescu Aurelian, **Mangu Sorin-Iuliu** - *Microeconomie*, Editura Focus, Petroșani, 2004, ISBN 973-677-022-2 (102 pagini)

2. Simionescu Aurelian, **Mangu Sorin-Iuliu**, *Evaluarea întreprinderii*, Editura Focus, Petroșani, 2003, ISBN 973-8435-63-3, (100 pagini)

E4. Alte materiale didactice realizate

1. **Mangu Sorin**, *Analiza diagnostic și evaluarea întreprinderii, note de curs*, Litografia Universității din Petroșani, 2012 (82 pagini)

2. **Mangu Sorin-Iuliu** - *Microeconomie aplicată, note de curs*, Litografia Universității din Petroșani, 2012 (96 pagini)

3. **Mangu Sorin-Iuliu**, Simionescu Aurelian - *Evaluarea întreprinderii, manual universitar pentru învățământul la distanță*, Universitatea din Petroșani, 2010 (118 pagini)

4. **Mangu Sorin-Iuliu**, Simionescu Aurelian - *Analiza diagnostic și evaluarea întreprinderii, manual universitar pentru învățământul la distanță*, Universitatea din Petroșani, 2010 (136 pagini)

5. Csiminga Diana, Isac Claudia, **Mangu Sorin-Iuliu**, Simionescu Aurelian - *Management strategic: manual universitar pentru învățământul la distanță*. Universitatea din Petroșani, 2010 (124 pagini)

6. Simionescu Aurelian, **Mangu Sorin-Iuliu** - *Microeconomie*, Litografia Universității din Petroșani, Petroșani, 1999 (348 pagini)

F. Articole / studii in extenso, publicate în reviste din fluxul științific internațional principal

1. **Mangu, S.-I.**, Csiminga, D.-C., Iloiu, M., Herbei, R. C., (2020), *Concepts of Necessary Costs to Be Used in the Minimum Enterprise Decisions*, Inzynieria Mineralna-Journal Of The Polish Mineral Engineering Society, vol 2, pp 99-103, DOI 10.29227/IM-2020-01-48, Accession Number: WOS:000607457500020, ISSN:1847-6996 Indexed 2021-02-03, Document Type Article

2. Chirila, D (Chirila, Danut) [1]; Dumitrascu, TC (Dumitrascu, Tamara Cristina) [1]; Matei, A (Matei, Aronel) [1]; **Mangu, S.I** (**Mangu, Sorin-Iuliu**), *The Need of Elastic Material Component between Rock Pressure Load and Metallic Structure Way of Receiving it in Order to Obtain a Uniform Load*, Inzynieria Mineralna-Journal Of The Polish Mineral Engineering Society, Volume 2 Issue1 Page17-19 DOI 10.29227/IM-2020-01-31 WOS:000607457500003

3. Dunca, E, Ciolea, D., Georgescu, M., Matei, A., Matei, R., **Mangu S.I.**, (2019), *Use of Aquatic Vegetation for the Treatment of Mine Acid Waters in the Mine Brad*, Inzynieria

Mineralna-Journal Of The Polish Mineral Engineering Society, vol 2, pp 107-111, DOI 10.29227/IM-2019-02-18, WOS:000530703600017

4. Csilinga Diana, **Mangu Sorin-Iuliu**, Iloiu Mirela, Matei Aronel, (2019), *Improving The Efficacy And Efficiency Of The Environmental Management System In The Romanian Powerplants On Coal - The Condition Of The Environmental Performance*, Inzynieria Mineralna-Journal Of The Polish Mineral Engineering Society, Issue 1, page 63-67, 2019, DOI: 10.29227/IM-2019-01-11, WOS:000480430100011, ISSN: 1640-4920

5. **Sorin-Iuliu MANGU**, Diana-Cornelia CSILINGA, Mirela ILOIU, Aronel MATEI, (2019), *Particular Aspects of Use Resources of Mineral Useful Substance*, Inzynieria Mineralna-Journal Of The Polish Mineral Engineering Society, Issue 2, page 139-142, DOI: 10.29227/IM-2019-02-24, WOS:000530703600023 ISSN: 1640-4920

6. Bold Octavian Valerian, **Mangu Sorin-Iuliu**, Morar Marioara, Herbei Claudia Roxana, (2018), *Influence of Coal Dust on the Performances of the Boilers Within Heating Plants*, Inzynieria Mineralna-Journal Of The Polish Mineral Engineering Society, Issue1, Page 83-86 DOI 10.29227/IM-2018-01-13, WOS:000436038500013

G. Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

G1. Lucrări/studii publicate în volumele unor manifestări științifice (conferințe, simpozioane) internaționale indexate în baza de date ISI (cu ISSN sau ISBN)

1. Ionică, A.C., Nassar, Y., **Mangu, S.I.**, (2019), *Organizational climate aspects and principal's burnout in Southern Israel schools*, 9TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION: TRENDS IN NEW INDUSTRIAL REVOLUTION, Volume 290, DOI 10.1051/mateconf/201929007009, WOS:000569367700086

2. Bușe, F., Bușe Gh., **Mangu, S.I.**, Tiuzbaian, I., (2018), *POSSIBILITIES OF INCREASING THE EFFICIENCY OF THE PRODUCTION OPERATIONAL MANAGEMENT BY USING MODERN VERSIONS OF CAD/CAM SYSTEMS, PERFORMANCE MANAGEMENT OR MANAGEMENT PERFORMANCE?*, Page 517-526, Review of Management and Economic Engineering International Management Conference, WOS:000471723700071, ISSN 2247-8639

3. Iloiu, M., Csilinga, D.C., **Mangu, S.I.**, (2016), *Particularities In Mining Project Evaluation*, 16th International Multidisciplinary Scientific Geoconference, SGEM 2016: Science and Technologies in Geology, Exploration and Mining, vol II, pages: 643-648, ISBN:978-619-7105-56-8 ISSN: 1314-2704, C:WOS:000395499700083

4. **Mangu Sorin-Iuliu**, Bușe Florian, Bușe Gheorghe-Florin, (2016), *Various Schemes Given by the Reorganization of big Energy Companies to Increases their Efficiency*, 16th International Multidisciplinary Scientific Geoconference SGEM 2016, Science and Technologies in Geology, Exploration and Mining, SGEM 2016, Pages: 1001-1008, Accession Number: WOS:000395499700129 ISBN:978-619-7105-56-8, ISSN: 1314-2704, IDS Number: BH0LQ

5. **Mangu Sorin-Iuliu**, Csilinga Diana, Iloiu Mirela, (2015), *Considerations on the Cost of Electricity Production in the Context of Integration Operating Activities Underground and Production of Coal in Thermal Power Stations Electricity in the Jiu Valley Mining Area*, 2nd GLOBAL CONFERENCE on BUSINESS, ECONOMICS, MANAGEMENT and TOURISM, Procedia Economics and Finance, vol 23, Pages 371-377, 2015 DOI: 10.1016/S2212-5671(15)00570-5 WOS:000360103600055, ISSN: 2212-5671

6. Csilinga Diana, **Mangu Sorin-Iuliu**, Iloiu Mirela, Marica Laura, Irimie Sabina, (2015), *Creating Competitive Advantage in Coal Mining Industry in Romania: A New*

Challenge, 2nd Global Conference on Business, Economics and Management and Tourism (BEMTUR), Prague, CZECH REPUBLIC OCT 29-31, 2014, Procedia Economics and Finance, vol 23, pag.428-433, Elsevier, DOI:10.1016/S2212-5671(15)00396-2, WOS:000360103600064, ISSN: 2212-5671

7. Iloiu Mirela, Csiminga Diana, **Mangu Sorin-Iuliu**, (2015), *FDI in Romania between EU and the Global Economic Crisis*, 2nd GLOBAL CONFERENCE on BUSINESS, ECONOMICS, MANAGEMENT and TOURISM, Procedia Economics and Finance, vol 23, Pages 644–651, Elsevier, 10.1016/S2212-5671(15)00571-7, WOS:000360103600097, 2212-5671

8. D. G. Gabriel, **M. Sorin** (Mangu Sorin-Iuliu), C. Diana, (2014), *Considerations Regarding The Development Of An Economic-Mathematical Model For Optimizing The Technological Variants In The Coal Mine Faces*, 14th SGEM GeoConference on Science and Technologies In Geology, Exploration and Mining, Vol. 3, No. SGEM2014 GeoConference Proceedings, ISBN 978-619-7105-09-4 / ISSN 1314-2704, June 19-25, 2014, Vol. 3. pp. 163-170, doi:10.5593/SGEM2014/B13/S3.022, WOS:000371590900022

9. **Mangu Sorin-Iuliu**, C. Diana, D. G. Gabriel, I. Mirela, (2014), *Reflections On Cost Calculation Into The Mining Companies In Romania*, 14th SGEM GeoConference on Science and Technologies In Geology, Exploration and Mining, Vol. 3, No. SGEM2014 GeoConference Proceedings, ISBN 978-619-7105-09-4 / ISSN 1314-2704, June 19-25, 2014, Vol. 3., pp. 473-480 pp, doi:10.5593/SGEM2014/B13/S3.062 WOS:000371590900062

10. Bușe F., **Mangu S.I.**, Bușe Gh., (2014), *Using the value analysis method for redesigning the management of Hunedoara Energy Complex SA*, MANAGEMENT BETWEEN PROFIT AND SOCIAL RESPONSIBILITY, Page 360-369, Review of Management and Economic Engineering International Management Conference, WOS:000367105500048

11. **Mangu Sorin-Iuliu** - *Considerations Regarding The Use of Money Flows in Assessment of Projects in The Mining Enterprises in Romania*, (2013), 13th International Multidisciplinary Scientific Geoconference SGEM 2013, SGEM 2013 Conferences Proceedings, ISBN 978-619-7105-05-6, ISSN 1314-2704, vol. II, 57-64 pp

12. D. C. Csiminga, **S.I. Mangu** M.Iloiu, (2013), *Aspects Regarding The Organizational Restructuring Of The Coal Mining Industry In Romania In Terms Of Continuing The Extraction Activity In Conditions Of Viability*, 13th SGEM GeoConference on Science and Technologies In Geology, Exploration and Mining, SGEM2013 Conference Proceedings, ISBN 978-954-91818-7-6 / ISSN 1314-2704, June 16-22, 2013, Vol. 1, 259 - 264 pp, DOI:10.5593/SGEM2013/BA1.V1/S03.004, WOS:000349063400035IDS

13. **Sorin Iuliu Mangu**, Diana Cornelia Csiminga, Carmen Daniela Mangu, (2012), *The Valuation Of Mining Properties In Romania: Approach Based On The Patrimonial Value Opposed To Approach Based On The Flux Value*, 12th International Multidisciplinary Scientific GeoConference SGEM2012 Conference Proceedings/ ISSN 1314-2704, June 17-23, Vol. 1, 927 - 934 pp, DOI: 10.5593/sgem2012/s03.v1071, WOS:000348530900119

14. **Sorin-Iuliu Mangu**, G. Florin Bușe, D. C. Csiminga, (2011), *Use of Cost Information in Decision-Making in the Mining Enterprises*, 11th International Multidisciplinary Scientific GeoConference SGEM2011, SGEM2011 Conference Proceedings, June 20-25, 2011, Vol. 1, pp. 1051-1058 ISSN: 1314-2704, WOS:000307366000141

15. **Iuliu, M.S.** (Iuliu, Mangu Sorin); Cornelia, D.C. (Cornelia, Diana Csiminga); Mirela, I (Mirela, Iloiu), (2011), *Consideration Regarding The Assessment Methods Of Mining Projects*, Proceedings Of The 5th International Conference On Manufacturing Science And Education (Mse 2011), VOL IIBook Series: Proceedings of the

Manufacturing Science and Education Pages: 235-238, WOS:000393733900056 ISSN: 1843-2522

16. Csiringa Diana Cornelia, **Mangu Sorin-Iuliu** and Ioiu Mirela, (2011), *Key Aspects of the Reorganization of Coal Industry in Europe and Romania*, Proceedings of 5th International Conference On Manufacturing Science And Education (MSE 2011)VOL I, Book Series: Proceedings of the Manufacturing Science and Education, Pages: 417-420, ISSN: 1843-2522, WOS:000393733400102

17. **Mangu Sorin-Iuliu**, (2009), *Model of Assessment for a New or Partially Developed Mining Perimeter*, PROCEEDINGS OF THE 13TH WSEAS INTERNATIONAL CONFERENCE ON COMPUTERS, Page 184-+

18. Mitran, I., Popescu, F.D., **Mangu, S.I.**, (2009), *About An Optimal Method Type MAX MIN For The Analysis Of Mining Works Stability In Open Pits*, PROCEEDINGS OF THE WSEAS INTERNATIONAL CONFERENCE ON FINITE DIFFERENCES, FINITE ELEMENTS, FINITE VOLUMES, BOUNDARY ELEMENTS, Page 81-86

19. Mitran, I., Dura, C., **Mangu, S.I.**, (2009), *ABOUT CONSUMER OPTIMUM DYNAMIC MODEL AND MARKET EQUILIBRIUM INTEREST*, Proceedings Of The Wseas International Conference On Finite Differences, Finite Elements, Finite Volumes, Boundary Elements, Page 87-93

20. Mitran, I., Dura, C., **Mangu, S.I.**, (2009), *About equalization principle. Applications in ruining problems and financial arbitration*, Proceedings Of The Wseas International Conference On Finite Differences, Finite Elements, Finite Volumes, Boundary Elements, Page 94-100

21. Simionescu, A., **Mangu S.I.**, Andras. I., (2003), *Limits and equivalence of some assessment criteria of investment project's economic efficiency*, 3rd International Conference on the Management of Technological Changes, Management of Technological Changes, Book 1 Page 63-72, WOS:000250080100011

G2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

1. **Mangu Sorin-Iuliu**, (2022), *Considerations on the Classification System of Mineral Resources*, Annals of the University of Petroșani, Mining Engineering, vol. 23, pgs. 71-76, University Publishing House, Petroșani, ISSN 1454-9174

2. **Mangu Sorin-Iuliu**, (2022), *The Economy of Natural Resources - A Challenge of Economic Science*, Annals of the University of Petroșani, Mining Engineering, vol. 23, pgs. 63-70, University Publishing House, Petroșani, ISSN 1454-9174

3. **Mangu Sorin-Iuliu**, (2021), *Considerations on the Rental System in the Mining Branch*, Annals of the University of Petroșani, Mining Engineering, vol. 22, pgs. 143-150, University Publishing House, Petroșani, ISSN 1454-9174

4. **Mangu Sorin-Iuliu**, (2021), *Deposit of Useful Mineral Substances - Economic Resource and factor of Production*, Annals of the University of Petroșani, Mining Engineering, vol. 22, pgs. 135-142, University Publishing House, Petroșani, ISSN 1454-9174

5. **Mangu Sorin-Iuliu**, (2020), *Calculation of Labor Norms in the Mining Branch*, Annals of the University of Petroșani, Mining Engineering, vol. 21, pgs. 266-275, University Publishing House, Petroșani, ISSN 1454-9174

6. **Mangu Sorin-Iuliu**, (2019), *Considerations on the Foundation of Decisions Using the Production Factors Capital and Deposit in the Underground Coal Mining Operations*, Annals of the University of Petroșani, Mining Engineering, vol. 20, pgs. 14-2, University Publishing House, Petroșani, ISSN 1454-9174

7. **Mangu Sorin-Iuliu**, (2019), *A Decision-Making Perspective on the Costs Structure of an Underground Coal Mining Company*, Annals of the University of Petroșani, Mining Engineering, vol. 20, pgs. 4-13, University Publishing House, Petroșani, ISSN 1454-9174
8. **Mangu Sorin-Iuliu**, (2018), *Importance of the Costs in Evaluating the Mining Projects*, Annals of the University of Petroșani, Mining Engineering, vol. 19, pgs. 14-20, University Publishing House, Petroșani, ISSN 1454-9174
9. **Mangu Sorin-Iuliu**, (2018), *Capital - Fundamental Production Factor in Mining Branch*, Annals of the University of Petroșani, Mining Engineering, vol. 19, pgs. 6-13, University Publishing House, Petroșani, ISSN 1454-9174
10. Diana, C (Diana, Csiringa); Mirela, I (Mirela, Iloiu); **Sorin, M.** (Sorin-Iuliu, Mangu), (2017), *Approaches On The Relationship Between Competitive Strategies And Organizational Performance Through The Total Quality Management (TQM)*, QUALITY-ACCESS TO SUCCESS, Volume: 18, Pages: 328-333, Supplement: 1, ISSN 1582-2559
11. Mirela Iloiu, Diana Csiringa, **Sorin-Iuliu Mangu**, (2017), *Particularities in Services Quality Approach*, QUALITY-ACCESS TO SUCCESS Volume: 18, Pages: 334-337, Supplement: 1, ISSN 1582-2559
12. **Sorin-Iuliu Mangu**, Diana Cornelia Csiringa, (2017), *Labor Productivity In The Mining Sector*, Annals of the University of Petroșani Mining Engineering Vol. 18, p27-36., ISSN 1454-9174
13. **Mangu Sorin-Iuliu**, Bușe Gheorghe-Florin, (2017), *Mathematical Model of Optimization of the Organizational Structures in the Case of Adopting the Managerial Reorganization Decision of a Mining System*, Annals of the University of Petroșani, Mining Engineering, vol. 18, pgs. 37-49, University Publishing House, Petroșani, ISSN 1454-9174
14. Mirela Iloiu, Diana Cornelia Csiringa, **Sorin-Iuliu Mangu**, (2016), *Considerations Over the Evaluation of Investment Projects Financed From European Structural Funds, Risk in Contemporary Economy*, "Dunarea de Jos" University of Galati, Faculty of Economics and Business Administration, pages 273-277
15. Bușe Florian, **Mangu Sorin-Iuliu**, Bușe Gheorghe-Florin, (2015), *The Use of Petri Networks Modeling the Producer - Consumer Relation for Determining the Capacity of Coal Deposits from Lignite Open Pits*, Annals of the University of Petroșani, Mining Engineering, vol. 16, pgs. 28-37, University Publishing House, Petroșani, ISSN 1454-9174
16. **Mangu Sorin-Iuliu**, Răscolean Ilie, (2013), *The Viability Analysis - An Instrument for Founding the Decision of Continuing / Ceasing Activity within the Pit Coal Exploitation Perimeters in Romania*, WSEAS, Recent advances in industrial and manufacturing technologies (INMAT '13), Vouliagmeni, Athens, Greece, ISSN 2227-4596
17. **Mangu Sorin-Iuliu**, Răscolean Ilie, (2013), *Possibilities for Using The Effects Method in Mining Projects Assessment*, Annals of the University of Petroșani, Economics, vol.XI (1), 2013, Universitatea din Petroșani, ISSN 1582-5949
18. **Mangu Sorin-Iuliu**, Răscolean Ilie, (2013), *Methods Indicators Equivalence for Economic Research of The Long-Term Capital Investment Project*, Annals of the University of Petroșani, Economics, vol.XI (1), 2013, Universitatea din Petroșani, ISSN 1582-5949
19. Iloiu, M.; Iloiu, S.; Csiringa, D. & **Mangu, S.I.**, (2011), *Fuzzy Risk Versus Probabilistic Risk in Project Economics*, Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, Viena, ISBN 978-3- 901509-83-4, ISSN 1726-9679, pp 1289-1290
20. **Sorin-Iuliu Mangu**, Carmen Daniela Mangu, Diana Cornelia Csiringa, (2011), *The Mining Projects - An Approach in Terms of Particularities of Use the Factor of Production "Capital"*, Annals of the University of Petroșani, Economics, vol.XI (1), Universitatea din Petroșani, ISSN 1582-5949, pp. 137-144 RePEc IDEAS DOAJ(Directory of Open Access Journals) EBSCO Publishing Inc.

21. **Mangu Sorin-Iuliu**, Csiminga Diana Cornelia, (2010), *Limits And Equivalence Of Some Assessment Criteria Of Investment Project's Economic Efficiency*, Annals of the Oradea University, Fascicle of Management and Technological Engineering, 2010, Oradea, Indexata in baza de date ULRICHSWEB, ICAAP, ISBN 978-606-10-0128

22. Csiminga Diana, **Mangu Sorin-Iuliu**, (2009), *Appllication of Fuzzy Decisional Making Method to the Evaluation of Position Occupied by Each Structural Subunit of National Hard Coal Company Petrosani Based on Criteria of Economic Viability*, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume VIII (XVIII), 2009, CD-ROM Edition, ISSN 1583 – 0691, pp. 1619-1624, ULRICHSWEB, ICAAP INDEX COPERNICUS

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24. **Mangu Sorin-Iuliu**, Csiminga Diana Cornelia, (2009), *Approaches In The Assessment Of Mining Projects*, Review of Management and Economic Engineering, Categoria B+, Volume 8 nr. 1A (31), 2009, Indexed in ULRICH'S Periodicals Directory, Indexed in EBSCO Business Source(r) Complete database, Index Copernicus., BDI ULRICH'S , EBSCO, Copernicus.

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G3. Lucrări/studii publicate în volumele unor manifestări științifice (conferințe, simpozioane) internaționale recunoscute (cu ISSN sau ISBN)

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2. **Mangu Sorin-Iuliu**, Csiminga Diana-Cornelia, Iloiu Mirela, Matei Aronel, (2019), *Description of the Coal Extraction Technology by Complex Mechanism with the Concepts of the Economic Theory of Production*, 23rd International Conference on Environment and Mineral Processing, 30.05-01.06.2019, Conference Proceedings, pgs. 133-138, ISBN 978-80-248-4309-4, Technical University of Ostrava, Czech Republic

3. Dunca Emilia-Cornelia, Ciolea Ionela-Daniela, Georgescu Mircea, Matei Aronel, Matei Raluca, **Mangu Sorin-Iuliu**, (2018), *Acid Mine Wastewater through Vegetation in the Mining Off Brad*, 22nd International Conference on Environment and Mineral Processing, 31.05-02.06.2018, Conference Proceedings, pgs. 63-69, ISBN 978-80-248-4181-6, Technical University of Ostrava, Czech Republic

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H. Proiecte de cercetare-dezvoltare-inovare

1. **Mangu Sorin-Iuliu - Responsabil temă**, *Contract de prestări servicii nr. 70/18.11.2019 Studiu de fezabilitate: Exploatarea sării cu combina la Salina Praid*, Colectiv: Mangu Sorin-Iuliu, Onica Ilie, Cozma Bogdan, Fotău Ion, Marian Dacian, Mihăilescu Viorel, Valoare contract: 48.800 RON (echivalent 10.224,39 EUR), Beneficiar: Societatea Națională a Sării S.A., Sucursala Salina Praid

2. **Mangu Sorin-Iuliu - Responsabil temă**, *Contract de cercetare științifică nr. 8/30.10.2017 Studii privind caracterizarea geomecanică pentru 31 probe de rocă recoltate de pe amplasamentul TMF T2 perimetrul Mireș Nord - Certej, forajele MIGD043-FG10, MIGD045-HG05, MIGD042-FG18, MIGD044-FG17, MIGD050-HG04, MIGD035-FG11, conform borderou 10.579/24.10.2017*, Colectiv: Mangu Sorin-Iuliu, Postolache Mihaela, Arad Victor, Arad Suzana, Vereș Ioel, Itu Răzvan, Rada Constantin, Ciobea Marian, Valoare contract: 88.143,75 RON (echivalent 19.172,52 EUR), Beneficiar S.C. DEVA GOLD S.A.

3. **Mangu Sorin-Iuliu - Membru în colectiv**, *Contract de servicii nr. 40/28.05.2014*, Colectiv: Fotău Ion, Păsculescu Dragoș, Pătrășcoiu Nicolae, Pădure Alexandru, Pană Leon, Mangu Sorin-Iuliu, Valoare contract: 10.000 RON, Beneficiar: Consiliul Local al Municipiului Petroșani, Serviciul Public Administrarea Domeniului Public și Privat

4. **Mangu Sorin-Iuliu - Membru în colectiv**, *Contract de cercetare nr. 7.858/10.07.2012 Proiect tehnic: exploatarea sării cu combina la Salina Slănic Prahova*, Colectiv: Onica Ilie, Cozma Eugen, Fotău Ioan, Toderaș Mihaela, Cozma Bogdan, Marian Dacian, Mangu Sorin-Iuliu, Rada Constantin, Cilibia Liliana, Valoare contract: 60.000 RON, Beneficiar: Societatea Națională a Sării S.A., Sucursala Salina Slănic Prahova

5. **Mangu Sorin-Iuliu - Membru în colectiv**, *Contract de cercetare nr. 40/21.06.2012 Proiect tehnic: exploatarea sării cu combina la Salina Ocna Dej*, Colectiv: Onica Ilie, Cozma Eugen, Fotău Ioan, Toderaș Mihaela, Cozma Bogdan, Marian Dacian, Mangu Sorin-Iuliu, Rada Constantin, Cilibia Liliana, Valoare contract: 57.000 RON, Beneficiar: Societatea Națională a Sării S.A., Sucursala Salina Ocna Dej

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Șef lucr. dr. ing. ec. MANGU SORIN-IULIU

