

## Anexa 2 Fișă de verificare a îndeplinirii standardelor minimale naționale și ale ASE-IOSUD

Avizat CSUD,  
Director CSUD,  
Prof. univ. dr. ACELEANU Mirela Ionela

Avizat ȘD,  
Director Școală doctorală Contabilitate  
Prof. univ. dr. Lungu Camelia Iuliana

Fișa de verificare a îndeplinirii standardelor minimale (naționale și ale ASE-IOSUD)

**Candidat: Prof. univ. dr. Robert Aurelian Șova**

| Nr. Articol | Articol, referința bibliografică                                                                                                                                                                                                                                                                                                                                                                                          | M  | N | AIS   | Punctaj Final |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|-------|---------------|
| 1           | Arouri, MEH; Caporale, GM; Rault, C; <b>Sova, R</b> ; Sova, A, Environmental Regulation and Competitiveness: Evidence from Romania, Ecological Economics, Volume 81, 2012, Pages 130-139, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2012.07.001">https://doi.org/10.1016/j.ecolecon.2012.07.001</a> , WOS:000309029600018                                                                               | 10 | 2 | 1.745 | 15.705        |
| 2           | Arouri, ME; Rault, C; Sova, A; <b>Sova, R</b> ; Teulon, F, Market structure and the cost of capital, Economic Modelling, Volume 31, 2013, Pages 664-671, ISSN 0264-9993, <a href="https://doi.org/10.1016/j.econmod.2013.01.004">https://doi.org/10.1016/j.econmod.2013.01.004</a> . WOS:000316643600077                                                                                                                  | 10 | 2 | 0.915 | 8.235         |
| 3           | <b>Sova, R.</b> , Rault, C., Caporale, G.M. Sova, A. Improving Environmental Performance: A Challenge for Romania. Environmental and Resource Economics <b>57</b> , 431–452 (2014). <a href="https://doi.org/10.1007/s10640-013-9687-2">https://doi.org/10.1007/s10640-013-9687-2</a> , WOS: 000331649200007                                                                                                              | 10 | 2 | 1.201 | 10.809        |
| 4           | Guglielmo Maria Caporale, Anamaria Sova, <b>Robert Sova</b> , Trade flows and trade specialisation: The case of China, China Economic Review, Volume 34, 2015, Pages 261-273, ISSN 1043-951X, eISSN 2079-9292, <a href="https://doi.org/10.1016/j.chieco.2015.03.010">https://doi.org/10.1016/j.chieco.2015.03.010</a> , WOS:000356992800020                                                                              | 10 | 2 | 1.497 | 13.473        |
| 5           | Guglielmo Maria Caporale, Anamaria Diana Sova, <b>Robert Sova</b> , The direct and indirect effects of financial development on international trade: Evidence from the CEEC-6, Journal of International Financial Markets, Institutions and Money, Volume 78, 2022, 101550, ISSN 1042-4431, <a href="https://doi.org/10.1016/j.intfin.2022.101550">https://doi.org/10.1016/j.intfin.2022.101550</a> . WOS:000788125100005 | 10 | 1 | 0.93  | 9.3           |
| 6           | C. Tudor and R. Sova, "Flexible Decision Support System for Algorithmic Trading: Empirical Application on Crude Oil Markets," in IEEE Access, vol. 10, pp. 9628-9644, 2022, <a href="https://doi.org/10.1109/ACCESS.2022.3143767">https://doi.org/10.1109/ACCESS.2022.3143767</a> WOS:000776499000001                                                                                                                     | 8  | 2 | 0.682 | 4.9104        |
| 7           | C. Tudor and R. Sova, "Enhancing Trading Decision in Financial Markets: An Algorithmic Trading Framework With Continual Mean-Variance Optimization, Window Presetting, and Controlled Early-Stopping," in IEEE Access, vol. 12, pp. 87633-87644, 2024, <a href="https://doi.org/10.1109/ACCESS.2024.3417815">https://doi.org/10.1109/ACCESS.2024.3417815</a> WOS:001258768500001                                          | 8  | 2 | 0.682 | 4.9104        |
| 8           | Guglielmo Maria Caporale, Anamaria Diana Sova, Robert Sova,                                                                                                                                                                                                                                                                                                                                                               | 10 | 1 | 1.031 | 10.31         |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |   |       |              |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|-------|--------------|
|    | International financial integration, economic growth and threshold effects: some panel evidence for Europe, Journal of International Money and Finance, Volume 158, 2025, 103407, ISSN 0261-5606, <a href="https://doi.org/10.1016/j.jimonfin.2025.103407">https://doi.org/10.1016/j.jimonfin.2025.103407</a><br><b>WOS:001694004800001</b>                                                                                                                     |    |   |       |              |
| 9  | Tudor, C., Sova, R. An automated adaptive trading system for enhanced performance of emerging market portfolios. <i>Financ Innov</i> <b>11</b> , 73 (2025). <a href="https://doi.org/10.1186/s40854-025-00754-3">https://doi.org/10.1186/s40854-025-00754-3</a><br><b>WOS:001414355900004</b>                                                                                                                                                                   | 10 | 2 | 1.026 | 9.234        |
| 10 | Cristiana Tudor, Robert Sova, A Hermite-inspired deterministic augmentation of autoregressive–moving-average and generalized autoregressive conditional heteroskedasticity models for enhanced signal generation in volatile financial markets, Expert Systems with Applications, Volume 295, 2026, 128877, ISSN 0957-4174, <a href="https://doi.org/10.1016/j.eswa.2025.128877">https://doi.org/10.1016/j.eswa.2025.128877</a> .<br><b>WOS:001529393500004</b> | 8  | 2 | 1.531 | 11.0232      |
|    | <b>TOTAL Punctaj Pi</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |   |       | <b>97.91</b> |

| Nr. Crt | Articolul citat                                                                                                                                                                                                                                                                                                                                        | Revista si articolul in care a fost citat                                                                                                                                                                                                                                                                                                                                        | Cuar tila | Categorii de încadrare | AIS   | Punctaj |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------|-------|---------|
| 1       | Guglielmo Maria Caporale, Anamaria Sova, <b>Robert Sova</b> , Trade flows and trade specialisation: The case of China, China Economic Review, Volume 34, 2015, Pages 261-273, ISSN 1043-951X, eISSN 2079-9292, <a href="https://doi.org/10.1016/j.chieco.2015.03.010">https://doi.org/10.1016/j.chieco.2015.03.010</a> ,<br><b>WOS:000356992800020</b> | Iban Ortuzar, Ana Serrano, Àngels Xabadia, Macroeconomic impacts of water allocation under droughts. Accounting for global supply chains in a multiregional context, Ecological Economics, Volume 211, 2023, 107904, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2023.107904">https://doi.org/10.1016/j.ecolecon.2023.107904</a> .<br><b>WOS:001011193200001</b> | Q1        | ECONOMICS              | 1.745 | 1,00    |
| 2       | Guglielmo Maria Caporale, Anamaria Sova, <b>Robert Sova</b> , Trade flows and trade specialisation: The case of China, China Economic Review, Volume 34, 2015, Pages 261-273, ISSN 1043-951X, eISSN 2079-9292, <a href="https://doi.org/10.1016/j.chieco.2015.03.010">https://doi.org/10.1016/j.chieco.2015.03.010</a> ,<br><b>WOS:000356992800020</b> | Donatella Baiardi, Carluccio Bianchi, At the roots of China's striking performance in textile exports: A comparison with its main Asian competitors, China Economic Review, Volume 54, 2019, Pages 367-389, ISSN 1043-951X, <a href="https://doi.org/10.1016/j.chieco.2019.02.001">https://doi.org/10.1016/j.chieco.2019.02.001</a><br><b>WOS:000464630100024</b>                | Q1        | ECONOMICS              | 1.497 | 1,00    |
| 3       | Arouri, MEH; Caporale, GM; Rault, C; <b>Sova, R</b> ; Sova, A, Environmental Regulation and Competitiveness: Evidence from Romania, Ecological Economics, Volume 81, 2012, Pages 130-139, ISSN 0921-8009,                                                                                                                                              | Sónia Almeida Neves, António Cardoso Marques, Margarida Patrício, Determinants of CO2 emissions in European Union countries: Does environmental regulation reduce environmental pollution?, Economic Analysis and Policy, Volume 68, 2020,                                                                                                                                       | Q1        | ECONOMICS              | 1.310 | 1,00    |

|   |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                   |       |      |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------|-------|------|
|   | <a href="https://doi.org/10.1016/j.ecolecon.2012.07.001">https://doi.org/10.1016/j.ecolecon.2012.07.001</a> ,<br><b>WOS:000309029600018</b>                                                                                                                                                                                                           | Pages 114-125, ISSN 0313-5926,<br><a href="https://doi.org/10.1016/j.eap.2020.09.00">https://doi.org/10.1016/j.eap.2020.09.00</a><br><b>WOS:000590013400010</b>                                                                                                                                                                                                                                                                        |    |                   |       |      |
| 4 | Arouri, MEH; Caporale, GM; Rault, C; <b>Sova, R</b> ; Sova, A, Environmental Regulation and Competitiveness: Evidence from Romania, Ecological Economics, Volume 81, 2012, Pages 130-139, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2012.07.001">https://doi.org/10.1016/j.ecolecon.2012.07.001</a> ,<br><b>WOS:000309029600018</b> | Liange Zhao, Dongmei Wang, Xueyuan Wang, Zhijian Zhang, Impact of green finance on total factor productivity of heavily polluting enterprises: Evidence from green finance reform and innovation pilot zone, Economic Analysis and Policy, Volume 79, 2023, Pages 765-785, ISSN 0313-5926, <a href="https://doi.org/10.1016/j.eap.2023.06.045">https://doi.org/10.1016/j.eap.2023.06.045</a> .<br><b>WOS:001043759100001</b>           | Q1 | ECONOMICS         | 1.310 | 1.00 |
| 5 | Arouri, MEH; Caporale, GM; Rault, C; <b>Sova, R</b> ; Sova, A, Environmental Regulation and Competitiveness: Evidence from Romania, Ecological Economics, Volume 81, 2012, Pages 130-139, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2012.07.001">https://doi.org/10.1016/j.ecolecon.2012.07.001</a> ,<br><b>WOS:000309029600018</b> | Li Jing, Li Qianqiang, Chen Yantai, An Qi, How digital transformation facilitates ESG performance to heavy polluting enterprises: A panel fsQCA based on national big data comprehensive pilot zones, Technological Forecasting and Social Change, Volume 221, 2025, 124366, ISSN 0040-1625, <a href="https://doi.org/10.1016/j.techfore.2025.124366">https://doi.org/10.1016/j.techfore.2025.124366</a><br><b>WOS:001585718000002</b> | Q1 | BUSINESS          | 2.415 | 1.00 |
| 6 | Arouri, MEH; Caporale, GM; Rault, C; <b>Sova, R</b> ; Sova, A, Environmental Regulation and Competitiveness: Evidence from Romania, Ecological Economics, Volume 81, 2012, Pages 130-139, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2012.07.001">https://doi.org/10.1016/j.ecolecon.2012.07.001</a> ,<br><b>WOS:000309029600018</b> | Qin Wang, Ying Wang, What shapes export competitiveness of home country firms? Host country environmental regulations or labor standards, International Review of Financial Analysis, Volume 103, 2025, 104243, ISSN 1057-5219, <a href="https://doi.org/10.1016/j.irfa.2025.104243">https://doi.org/10.1016/j.irfa.2025.104243</a><br><b>WOS:001471383600001</b>                                                                      | Q1 | BUSINESS, FINANCE | 1.587 | 1.00 |
| 7 | Arouri, MEH; Caporale, GM; Rault, C; <b>Sova, R</b> ; Sova, A, Environmental Regulation and Competitiveness: Evidence from Romania, Ecological Economics, Volume 81, 2012, Pages 130-139, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2012.07.001">https://doi.org/10.1016/j.ecolecon.2012.07.001</a> ,<br><b>WOS:000309029600018</b> | Hai-ling Li, Xue-hong Zhu, Jin-yu Chen, Fei-tao Jiang, Environmental regulations, environmental governance efficiency and the green transformation of China's iron and steel enterprises, Ecological Economics, Volume 165, 2019, 106397, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2019.106397">https://doi.org/10.1016/j.ecolecon.2019.106397</a><br><b>WOS:000487172500012</b>                                    | Q1 | ECONOMICS         | 1.745 | 1.00 |

|    |                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                           |    |           |              |              |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------|--------------|--------------|
| 8  | Arouri, MEH; Caporale, GM; Rault, C; <b>Sova, R</b> ; Sova, A, Environmental Regulation and Competitiveness: Evidence from Romania, Ecological Economics, Volume 81, 2012, Pages 130-139, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2012.07.001">https://doi.org/10.1016/j.ecolecon.2012.07.001</a> , <b>WOS:000309029600018</b> | Mengfan Du, Yue-Jun Zhang, The impact of producer services agglomeration on green economic development: Evidence from 278 Chinese cities, Energy Economics, Volume 124, 2023, 106769, ISSN 0140-9883, <a href="https://doi.org/10.1016/j.eneco.2023.106769">https://doi.org/10.1016/j.eneco.2023.106769</a> . <b>WOS:001028870300001</b>                  | Q1 | ECONOMICS | <b>2.354</b> | 1.00         |
| 9  | Arouri, MEH; Caporale, GM; Rault, C; <b>Sova, R</b> ; Sova, A, Environmental Regulation and Competitiveness: Evidence from Romania, Ecological Economics, Volume 81, 2012, Pages 130-139, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2012.07.001">https://doi.org/10.1016/j.ecolecon.2012.07.001</a> , <b>WOS:000309029600018</b> | Ailun Wang, Shuo Hu, Boqiang Lin, Can environmental regulation solve pollution problems? Theoretical model and empirical research based on the skill premium, Energy Economics, Volume 94, 2021, 105068, ISSN 0140-9883, <a href="https://doi.org/10.1016/j.eneco.2020.105068">https://doi.org/10.1016/j.eneco.2020.105068</a> <b>WOS:000618003800026</b> | Q1 | ECONOMICS | <b>2.354</b> | 1,00         |
| 10 | Arouri, MEH; Caporale, GM; Rault, C; <b>Sova, R</b> ; Sova, A, Environmental Regulation and Competitiveness: Evidence from Romania, Ecological Economics, Volume 81, 2012, Pages 130-139, ISSN 0921-8009, <a href="https://doi.org/10.1016/j.ecolecon.2012.07.001">https://doi.org/10.1016/j.ecolecon.2012.07.001</a> , <b>WOS:000309029600018</b> | Weihua Yu, Wenjing Liang, Xin Yao, The effect of the county-to-district conversion policy on energy efficiency of enterprises: Evidence from China, Energy Economics, Volume 134, 2024, 107618, ISSN 0140-9883, <a href="https://doi.org/10.1016/j.eneco.2024.107618">https://doi.org/10.1016/j.eneco.2024.107618</a> <b>WOS:001246452900001</b>          | Q1 | ECONOMICS | <b>2.354</b> | 1,00         |
|    | <b>TOTAL Punctaj C</b>                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                           |    |           |              | <b>10.00</b> |

#### Director de proiect/membru la granturile de cercetare:

| Nr. | Descriere                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pn1 | Contract nr. 3098/24.01.2005, Autoritatea contractanta: Guvernul Românie – M.Ed.C.; Perioada de desfășurare: <b>2005</b> ; Valoare : 3000 Euro si Contract nr. 679.253/13.12.2005, Autoritatea contractanta: M.Ed.C. ; Perioada de desfășurare: <b>2005 – 2006</b> ; Valoare : 4000 USD <b>rezultate publicate</b> in <i>Applied Economics Letter</i> indexata ISI; <b>Director</b>                                                                             |
| Pn2 | “Modelarea impactului politicilor de mediu asupra competitivitatii internationale a Romaniei”, programul “ <b>IDEI</b> ” competitia 2008 ; Cod CNCIS: <b>2011</b> ; Autoritatea contractanta: <b>CNCIS</b> , Modul de obținere : <b>prin competitie</b> ; Perioada de desfășurare <b>2009 – 2012</b> ; Valoare : <b>839.982 RON</b> ; <b>Director</b>                                                                                                           |
| Pn3 | “Responsabilitatea sociala corporative. Stimularea firmelor romanesti pentru cresterea performantelor de mediu in contextual integrarii Romaniei in Uniunea Europeana”, programul “PN II Parteneriate” competitia 2008 ; Numar contract: <b>92-120/01.10.2008</b> , Autoritatea contractanta: <b>CNMP</b> , Modul de obținere : <b>prin competitie</b> ; Perioada de desfășurare <b>2008 – 2011</b> ; Valoare : <b>1.963.207 RON</b> ; <b>Director partener</b> |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pn4 | "Ambalaje celulare ecologice biodegradabile pe baza de polimeri regenerabili", "PN II Parteneriate" competiția 2008 ; Numar contract: <b>32-101/01.10.2008</b> , Autoritatea contractanta: <b>CNMP</b> , Modul de obținere : <b>prin competiție</b> ; Perioada de desfășurare <b>2008 – 2011</b> ; Valoare : <b>2.000.000 RON; Membru</b>                                                                                                                                                                      |
| Pn5 | Procese auto-similare non-Gaussiene: Îmbunătățirea instrumentelor matematice și a modelelor financiare pentru a surprinde dinamica complexă a pieței, Apel proiect: <b>PNRR-III-C9-2023-I8</b> , Modul de obținere : <b>prin competiție</b> , Cod: <b>CF 194/31.07.2023</b> , Număr contract: <b>760243/28.12.2023</b> , Perioada de desfășurare <b>01.01.2024 - 30.06.2026</b> , Autoritatea contractantă: <b>Ministerul cercetării, inovării și digitalizării</b> , Valoare : <b>5.995.706,9 RON; Membru</b> |

### Situația îndeplinirii criteriilor

#### Științe sociale/economice

| Cerințe ASE-IOSUD                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Criteriu îndeplinit/neîndeplinit |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| să aibă un număr minim de 5 articole publicate în reviste indexate Web of Science (în categoriile SSCI sau SCIE; nu se includ revistele din categoria ESCI) cu AIS nenul (publicate în minim 3 reviste diferite), din care minim 3 din categoriile Core Economics și/sau Infoeconomics (publicate în minim 2 reviste diferite). Din cele 3 articole din categoriile Core Economics și/sau Infoeconomics, minim unul trebuie să aibă AIS mai mare sau egal cu 0,2; | <b>Criteriu îndeplinit</b>       |
| în cel puțin unul dintre cele cinci articole de la punctul b, candidatul să fie unic sau prim autor;                                                                                                                                                                                                                                                                                                                                                              | <b>Criteriu îndeplinit</b>       |
| punctajul minim obținut (S), calculat potrivit metodologiei CNATDCU cu privire la <i>Standardele minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare – dezvoltare</i> să fie cu 30% mai mare decât punctajul minim prevăzut în metodologia CNATDCU.                                                                                                                         | <b>Criteriu îndeplinit</b>       |

| Criterii minime Abilitare<br>CNATDCU | Punctaj obținut de către candidat | Observații                                                             |
|--------------------------------------|-----------------------------------|------------------------------------------------------------------------|
| <b>S ≥ 4</b>                         | <b>107,91</b>                     | <b>Punctajul obținut a depășit pe cel minim (CNATDCU) cu 2.597,75%</b> |
| <b>P ≥ 2</b>                         | <b>97.91</b>                      | -                                                                      |
| <b>C ≥ 1,2.</b>                      | <b>10.00</b>                      | -                                                                      |

02.07.2026

Semnătura,