

## PAPER LIST

### Papers published in ISI journals used in full in the thesis:

1. **Egri, D.**, Pârvulescu, O.C., Ion, V.A., Răducanu, C.E., Calcan, S.I., Bădulescu, L., Madjar, R., Orbeci, C., Dobre, T., Moț, A., Iliescu, L.M., Crăciun, M.E. Vine pruning-derived biochar for agronomic benefits. *Agronomy* **2022**, *12*(11), 2730, 1–15, ISSN:2073-4395, WOS:000883349800001, **IF (2022): 3.7** (Q1). <https://doi.org/10.3390/agronomy12112730>
2. **Egri, D.**, Pârvulescu, O.C., Ion, V.A., Moloșag, A., Dobrin, A., Moț, A., Orbeci, C., Dobre, T., Bormac, I., Løes, A.-K., Cabell, J., Salifoglou, A. Preparation and characterization of compost tea derived from rockweed residues. *U.P.B. Sci. Bull. Series B* **2024**, *86*(3), 123–134 ISSN:1454-2331, **IF (2023): 0.3**.
3. Moț, A., Pârvulescu, O.C., Ion, V.A., Moloșag, A., Dobrin, A., Bădulescu, L., Orbeci, C., **Egri, D.**, Dobre, T., Løes, A.-K., Cabell, J., Salifoglou, Matsia, S., Letelier-Gordo, C.O., Răducanu, C., Mocanu, A. Preparation, characterization, and application of compost tea derived from seaweed and fish residues. *Agronomy* **2024**, *14*(9), 1919, 1–21, ISSN:2073-4395, **IF (2023): 3.3** (Q1). <https://doi.org/10.3390/agronomy14091919>

### Papers published in ISI journals from which some information was used in the thesis:

1. Calcan, S.I., Pârvulescu, O.C., Ion, V.A., Răducanu, C.E., Bădulescu, L., Madjar, R., Dobre, T., **Egri, D.**, Moț, A., Iliescu, L.M., Jerca, I.O. Effects of biochar on soil properties and tomato growth. *Agronomy* **2022**, *12*(8), 1824, 1–14, ISSN:2073-4395, WOS:000846311700001, **IF (2022): 3.7** (Q1). <https://doi.org/10.3390/agronomy12081824>
2. Calcan, S.I., Pârvulescu, O.C., Ion, V.A., Răducanu, C.E., Bădulescu, L., Dobre, T., **Egri, D.**, Moț, A., Popa, V., Crăciun, M.E. Valorization of vine prunings by slow pyrolysis in a fixed-bed reactor. *Processes* **2022**, *10*(1), 37, 1–17, ISSN:2227-9717, WOS:000757674900001, **IF (2022): 3.5**. <https://doi.org/10.3390/pr10010037>
3. Moloșag, A., Pârvulescu, O.C., Ion, V.A., Asănică, A.C., Soane, R., Moț, A., Dobrin, A., Frîncu, M., Løes, A.K., Cabell, J., Salifoglou, A., Maroulis, M., Matsia, S., Bujor, O.C., **Egri, D.**, Dobre, T., Bădulescu, L.A., Lagunosvchi-Luchian, V. Effects of marine residue-derived fertilizers on strawberry growth, nutrient content, fruit yield and quality. *Agronomy* **2023**, *13*(5), 1221, 1–19, ISSN:2073-4395, WOS:000995487100001, **IF (2023): 3.3** (Q1). <https://doi.org/10.3390/agronomy13051221>

### Oral (O) and poster (P) presentations at international conferences/symposia:

1. Calcan, S.I., Pârvulescu, O.C., Ion, V.A., Răducanu, C.E., **Egri, D.**, Tănase, D., *Valorisation of vine branches by slow pyrolysis*, 16<sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 25–27 May 2021, Bacau, Romania (P).
2. Calcan, S.I., Pârvulescu, O.C., Ion, V.A., Răducanu, C.E., Bădulescu, L., Madjar, R., Dobre, T., **Egri, D.**, Moț, A., Iliescu, L.M., Jerca, I.O., *Production of biochar and its use as an amendment for acidic soils*, 17<sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 25–27 May 2022, Bacau, Romania (P).

3. Pârvulescu, O.C., Ion, V.A., Răducanu, C.E., **Egri, D.**, Calcan, S.I., Orbeci, C., Dobre, T., Madjar, R., Bădulescu, L., Moț, A., Iliescu, L.M., *Effects of biochar on soil properties and pepper growth*, 22<sup>nd</sup> Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), 7–9 September 2022, Sinaia, Romania (P).
4. Răducanu, C.E., Pârvulescu, O.C., Ion, V.A., Dobre, T., Burghilea, A., Negrea, A., Calcan, S.I., **Egri, D.**, *Engineered biochar for environmental benefits*, 22<sup>nd</sup> Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), 7–9 September 2022, Sinaia, Romania (P).
5. **Egri, D.**, Pârvulescu, O.C., Ion, V.A., Bădulescu, L., Calcan, S.I., Dobre, T., Răducanu, C.E., Mocanu, A., Løes, A.-K., Cabell, J., Salifoglou, A., Maroulis, M., Matsia, S., Letelier-Gordo, C.O., Carboni, F.M., *Biochar amendment applied to improve crop growth and yield*, International Chemical Engineering and Material Symposium (SICHEM), 17–18 November 2022, Bucharest, Romania (P).
6. Moloșag, A., Ion, V.A., Pârvulescu, O.C., Dobrin, A., Bujor, O.C., Frîncu, M., Petre, A., Bădulescu, L., **Egri, D.**, Løes, A.-K., Cabell, J., Salifoglou, A., Maroulis, M., Matsia, S., Lagunovschi-Luchian, V., *Preliminary results of fertilizers derived from aquaculture effect on lettuce*, International Conference “Agriculture for Life, Life for Agriculture”, 8–10 June 2023, Bucharest, Romania (O).
7. **Egri, D.**, Pârvulescu, O.C., Ion, V.A., Moloșag, A., Dobrin, A., Moț, A., Orbeci, C., Dobre, T., Răducanu, C.E., Mocanu, A., Løes, A.-K., Cabell, J., Salifoglou, A., Letelier-Gordo, C.O., *Optimizing the conditions of the fermentation process of rockweed-based compost*, International Chemical Engineering and Material Symposium (SICHEM), 11–12 April 2024, Bucharest, Romania (P).
8. Ion, V.A., Moloșag, A., Pârvulescu, O.C., Løes, A.-K., Cabell, J., Salifoglou, A., **Egri, D.**, Dobre, T., *Production, characterization, and testing of fertilizers derived from marine residues*, 19<sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 22–24 May 2024, Bacau, Romania (P).
9. Pârvulescu, O.C., Ion, V.A., Moloșag, A., Orbeci, C., Dobre, T., Răducanu, C.E., **Egri, D.**, Løes, A.-K., Cabell, J., Salifoglou, A., Letelier-Gordo, C.O., *Marine Residue-Based Fertilizers and Biostimulants for Agronomic and Environmental Benefits*, 23<sup>rd</sup> Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 23), 4–7 September 2024, Constanta–Mamaia, Romania (O).
10. **Egri, D.**, Pârvulescu, O.C., Ion, V.A., Moloșag, A., Moț, A., Dobrin, A., Răducanu, C.E., Orbeci, C., Dobre, T., Mocanu, A., Løes, A.-K., Cabell, J., Salifoglou, A., Letelier-Gordo, C.O., *Recycling marine residues through composting and compost fermentation*, 23<sup>rd</sup> Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 23), 4–7 September 2024, Constanta–Mamaia, Romania (P).