

Universitatea Națională de Știință și Tehnologie POLITEHNICA București  
Facultatea: Inginerie Aerospațială  
Departamentul: Grafică Ingineriească și Desing Industrial  
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Gradul didactic: Asistent Universitar

## LISTA lucrărilor științifice în domeniul disciplinelor din postul didactic

### B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Nicolau Ana-Maria, **Petcu Petruța**, L'ergonomie dans le Developpement des Produits, Editura Printech, ISBN 978-606-23-1556-6, București 2024, p. 204.
2. Nicolau Ana-Maria, **Petcu Petruța**, Elementedeergonomie, Editura Printech, ISBN 978-606-23-1557-3, București 2024, p. 204.
3. **Petcu Petruța**, Nicolau Ana-Maria, Ergonomics in Product Development, Editura Printech, ISBN 978-606-23-1555-9, București 2024, p. 204

### C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. **[BDI],[IndexCopernicus],[CNCSIS]**  
PETCU P., Simion I., Nicolau A.-M., *Theoretical considerations regarding the choice of the demolition technology of minimum impact buildings on the environment*, Journal of Industrial Design and Engineering Graphics, vol. 18, issue 1, ISSN 1843-3766, june 2023, pp. 13-16.
2. **[BDI],[IndexCopernicus],[CNCSIS]**  
Nicolau A.-M., PETCU P., *A new concept style printer: solar power printing*, Journal of Industrial Design and Engineering Graphics, vol. 18, issue 1, ISSN 1843-3766, june 2023, pp. 45-48.
3. **[BDI],[IndexCopernicus],[CNCSIS]**  
PETCU P., NICOLAU (AVRAMESCU) AM, CONSTANTIN IM, *Special effects used in creating 3D animated scenes - Part II*, International Journal of Manufacturing Economics and Management, vol.3, issue 2, 2023, ISSN 2784-1278, pp. 58-65.
4. **[BDI],[IndexCopernicus],[CNCSIS]**  
NICOLAU(AVRAMESCU)AM,PETCUP.,CONSTANTINIM,*Integrating the human factor and enviromental needs in the design of a new product*, International Journal of Manufacturing Economics and Management, vol.3, issue 2, 2023, ISSN 2784-1278 pp. 52-57.
5. **[BDI],[IndexCopernicus],[CNCSIS]**  
NICOLAU (AVRAMESCU) AM., PETCU P., *Innovation approaches centered on sensory design. A case study*, International Conference of Engineering Graphics and Design - ICEGD 2024, Cluj-Napoca, 14 - 15 June 2024, JIDEG Vol 19, Issue 1 / 2024.
6. **[BDI],[IndexCopernicus],[CNCSIS]**  
NICOLAU (AVRAMESCU) AM., PETCU P., *Integration of sensory design in product development*, International Conference of Engineering Graphics and Design - ICEGD 2024, Cluj-Napoca, 14 - 15 June 2024, JIDEG Vol 19, Issue 1 / 2024.

**7. [BDI],[IndexCopernicus],[CNCSIS]**

PETCU P., NICOLAU (AVRAMESCU) AM., *Innovation by development of product: from sensory marketing to sensory design*, International Journal of Manufacturing Economics and Management, ISSN 2784-1278 ISSN-L 2784-1278, Vol. IV, No. 2, 2024.

**8. [BDI],[IndexCopernicus],[CNCSIS]**

NICOLAU (AVRAMESCU) AM., PETCU P., *Integration of sensorial properties in creative process design*, International Journal of Manufacturing Economics and Management, ISSN 2784-1278 ISSN-L 2784-1278, Vol.IV, No. 2, 2024.

**9. [BDI],[IndexCopernicus],[CNCSIS]**

GAAIA M., PETCU P., NICOLAU (AVRAMESCU) AM., *Analysis of a roll bending machine: enhancing efficiency and functionality*, Journal of Industrial Design and Engineering Graphics, JIDEG Vol 19, Issue 2/2024, ISSN 1843-3766, oct 2024, pp. 29-32.

**10. [ISI]**

CIUPERCĂR., ZAICAA., STEFAN V., PETCU P., DUMITRESCU L., CRISTEA O., *Research on detachment process and separation of frozen sea-buckthorn fruits from branches*, INMATEH - Agricultural Engineering, vol.71, issue 3, 2023, ISSN 2068 – 2239, pp. 808-817.

**11. [ISI]**

PETCU P., MIRABELA AUGUSTIN APRUTEANUMA., CIOBANU V.G., NICOLAU (AVRAMESCU) AM., *Experimental Investigation of Magnetic Drum Separation Techniques for Dodder (Cuscuta L.) Seed Removal from Alfalfa Seed Mixtures*, Agriculture-Basel (3.3 Q1) 2024, 14(12), 2313, vol.14, issue 12, 2024.

## E. Brevete obținute în întreaga activitate

1. Marin Eugen, Toderășcu Petruța, Manea Dragoș, David Alexandru-Dorin "Echipament tehnic pentru arăt solul și tăiere de rădăcină pe rândul de pomi", OSIM A/00982/11.12.2013, publicat 06.2015.

**Data**  
30.04.2025

**Semnătura**  
Drd.ing.Petcu Petruța