

Facultatea de Inginerie Mecanică și Mecatronica
Departamentul de Mecatronica și Mecanică de Precizie
Concurs pentru ocuparea postului poz. 20, de Șef de lucrări,
Disciplinele: Micro și nanotehnologii/Tehnologii de fabricație și micro/nanotehnologii, Sisteme avansate de fabricație, Control dimensional și metrologie, Toleranțe și control dimensional, Mașini de lucru și comenzi numerice, Tehnologii și sisteme integrate de fabricație.
Domeniul științific: Mecatronica și Robotică.
Post publicat în Monitorul Oficial al României, Partea a III-a, nr. 1242/03.12.2021

LISTA DE LUCRĂRI

Candidat: As.dr.ing. Edgar MORARU

I. TEZA (E) DE DOCTORAT (T)

T1. *Cercetări privind realizarea protezelor dentare prin depuneri selective cu laser și prin alte tehnologii aditive*, Univesitatea Politehnica din București, 2021. Conducător de doctorat: Prof.Dr.Ing.Octavian Donțu

II. CĂRȚI PUBLICATE (C)

Cb1. Daniel Besnea, Octavian Donțu, **Edgar Moraru**, Elena Dinu, *Tehnologii aditive cu aplicații în mecatronică. Construcție și exploatare*, ISBN 978-606-23-0944-2, 188 pagini, Editura PRINTECH București, 2019.

III. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate în alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță). *Se menționează la fiecare lucrare includerea în Baza ISI [Accession Number, WOS=....., ultimul Factor Impact, ISSN] și/sau denumirea altei (altor) BDI.*

Ris1. **Moraru E.**, Dontu O., Petre A., Vaireanu D., Constantinescu F., Besnea D., *Some technological particularities on the execution of dental prostheses realized by selective laser deposition*, Journal of Optoelectronics and Advanced Materials, Vol.20, No.3-4, pp.208-213, 2018 (Lucrare indexată **Web of Science – ISI**, WOS:000435669100018, FI=0,588 în 2018, ISSN 1454-4164).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000435669100018>

Ris2. Baran N., Constantin M., Tănase B., **Moraru E.**, Moga C.I., *Influence of Fine Bubble Generator Architecture on Tune Variation of Dissolved Oxygen Concentration in Water*, Revista de Chimie, Vol. 70(6), pp. 2132-2135, 2019 (Lucrare indexată **Web of Science – ISI**, WOS:000475860100050, FI=1,755 în 2019, ISSN (Print) 0034-7752, DOI: 10.37358/rc.19.6.7290).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000475860100050>

Ris3. Selagea M., **Moraru E.**, Besnea D., Udrea R., Lungu B., *Some technological aspects regarding laser ablation of oxides resulting from exposing alloyed steels to high temperatures*, Optoelectronics and Advanced Materials – Rapid Communications, Vol.13, No.9-10, pp.539-545, 2019 (Lucrare indexată **Web of Science – ISI**, WOS:000510423200009, FI=0,445 în 2019, ISSN 1842-6573).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000510423200009>

Ris4. Besnea D., Dinu E., **Moraru E.**, Spanu A., Rizescu C., Constantin V., *Experimental Researches Regarding the Manufacturing of New Thermoplastic Materials Used in Additive Technologies*, Revista Materiale Plastice, Vol. 56(1), pp. 167-170, 2019 (Lucrare indexată **Web of Science – ISI**,

WOS:000464604100033, FI=1,517 în 2019, ISSN (Print) 0025-5289, DOI: 10.37358/mp.19.1.5144).
<https://www.webofscience.com/wos/woscc/full-record/WOS:000464604100033>

Ris5. Prisecaru D., Besnea D., **Moraru E.**, Cananau S., *Additive Manufactured Bioplastics for Conceptual Models of Knee Customized Prostheses*, Revista Materiale Plastice, Vol.56(4), pp.957-963, 2019 (Lucrare indexată **Web of Science – ISI**, WOS:000509920700040, FI=1,517 în 2019, ISSN (Print) 0025-5289, DOI: 10.37358/mp.19.4.5291).
<https://www.webofscience.com/wos/woscc/full-record/WOS:000509920700040>

Ris6. **Moraru E.**, Selagea M., *Design, modeling and simulation of thermal microactuators*, U.P.B. Sci. Bull., Series D, Vol.80, Iss.3, pp.19-30, 2018 (Lucrare indexată **Scopus**, ISSN (print): 1454-2358).
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85051180938&origin=resultslist>

Ris7. Besnea D., Gheorghe G.I., Dontu O., **Moraru E.**, Constantin V., Moga I.C., *Experimental researches regarding realization of wastewater treatment elements by means of modern technologies*, International Journal of Mechatronics and Applied Mechanics, Iss.4, pp.61-65, 2018 (Lucrare indexată **Scopus**, ISSN:2559-6497).
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85061579436&origin=resultslist>

Ris8. **Moraru E.**, Dontu O., Spanu A., Prisecaru D., Draghici C., *Some considerations regarding the use of vat photopolymerisation technique in prosthodontics*, International Journal of Mechatronics and Applied Mechanics, Iss.6, Vol.I, pp.87-90, 2019 (Lucrare indexată **Scopus**, ISSN:2559-6497).
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85075775906&origin=resultslist>

Ris9. Spanu A., Besnea D., **Moraru E.**, *The suspension system with pressure control used for lower limb prostheses*, International Journal of Mechatronics and Applied Mechanics, Iss.6, Vol.II, pp.15-18, 2019 (Lucrare indexată **Scopus**, ISSN:2559-6497).
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85077510042&origin=resultslist>

Ris10. **Moraru E.**, Dontu O., Baran N., Petre A., Moga I.C., *Experimental researches regarding the depollution of wastewater by forced oxygenation and ozonation*, Revista de Chimie, Vol.70 (9), pp.202-209, 2020 (Lucrare indexată **Scopus**, ISSN (Print) 0034-7752, DOI: 10.37358/RC.20.9.8330)
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85092687541&origin=resultslist>

Ris11. Ionașcu G., Manea E., Gavrilă R., **Moraru E.**, *Perspectives on the use of thin films technologies in precision mechanics and mechatronics*, International Journal of Mechatronics and Applied Mechanics, Iss.8, Vol. II, pp.204-208, 2020 (Lucrare indexată **Scopus**, ISSN:2559-6497).
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85097328869&origin=resultslist>

Ris12. Shpakova L.G., **Moraru E.**, Feshin B.N., Tokhmetova K.M., Kalashnikova Y.V., *The control of flexible automated production of the scraper conveyers*, News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, Vol.2, Iss.446, pp.189-197, 2021 (Lucrare indexată **Scopus**, ISSN:2224-5278, DOI: 10.32014/2021.2518-170X.52).
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85105120741&origin=resultslist>

Rio – Alte reviste de specialitate de circulație internațională.

Rio1. Besnea D., **Moraru E.**, Dontu O., Constantin V., Spanu A., Ciobanu R., *Research on the realization of anatomical models by additive technologies*, International Journal of Modeling and Optimisation, Vol.8, No.4, pp.208-211, 2018 (Lucrare indexată în **Google Scholar**, **EBSCO**, ISSN: 2010-3697, DOI: 10.7763/IJMO.2018.V8.651).

Rio2. Moraru E., Besnea D., Spanu A., Constantin V., *Experimental research on some modern technologies and materials applied in prosthetic dentistry*, Journal of Engineering Sciences and Innovation, Vol.3, Iss.4, pp.329-338, 2018 (Lucrare indexată în **Google Scholar, EBSCO, Index Copernicus**, ISSN: 2601-6699).

Rns - Reviste de specialitate de circulație națională recunoscute de CNCSIS. Se mentioneaza Categoria CNCSIS.

Rns1. Moga C.I., **Moraru E.,** Dontu O., Besnea D., Doroftei B.I., Isitman A., Petrescu G., *Innovative technological solutions for efficient biological wastewater treatment*, Annals of Faculty of Engineering Hunedoara, Vol.18 (4), pp.181-186, 2020 (Lucrare indexată în **Google Scholar, EBSCO, Index Copernicus**, ISSN: 1584-2665, Categoria B+, COD CNCSIS: 299).

Rns2. Stoican (Prisecaru) M.M., Băran N., Besnea D., **Moraru E.,** *A constructive solution for a rotating machine with profiled rotors that transport fluids*, *Fiability & Durability/Fiabilitate si Durabilitate*, Issue 1, pp.194-203, 2020 (Lucrare indexată în **Google Scholar, EBSCO, Index Copernicus**, ISSN:1844-640X, Categoria B+, COD CNCSIS: 80).

Vis- Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters sau indexate în alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selecție a publicațiilor pe baza unor criterii de performanță. *Se mentioneaza la fiecare lucrare includerea în Baza ISI [ISI Proceedings, Accession Number, WOS=....., ISSN] si/sau denumirea altei (altor) BDI.*

Vis1. Moraru E., Dontu O., Besnea D., Constantin V., *Study and realization of prosthetic dental models by additive technologies*, IOP Conf. Series: Materials Science and Engineering, Vol. 444, Article Number 042017, 2018 (Lucrare indexată **Web of Science – ISI**, WOS:000467443600053, ISSN: 1757-8981, DOI: 10.1088/1757-899X/444/4/042017).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000467443600053>

Vis2. Besnea D., Rizescu C.I., Rizescu D., Comeaga D., Ciobanu R., **Moraru E.,** *Study of deflection behaviour of 3D printed leaf springs*, IOP Conf. Series: Materials Science and Engineering, Vol. 444, Article Number 042008, 2018 (Lucrare indexată **Web of Science – ISI**, WOS: 000467443600044, ISSN: 1757-8981, DOI: 10.1088/1757-899X/444/4/042008).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000467443600044>

Vis3. Rizescu C.I., Besnea D., Rizescu D., **Moraru E.,** Constantin V., *Mechanical Analysis of Leaf Springs Realized by Additive Technologies*. In: Trojanowska J., Ciszak O., Machado J., Pavlenko I. (eds) *Advances in Manufacturing II. Lecture Notes in Mechanical Engineering*, pp.307-318, Springer, Cham, 2019 (Lucrare indexată **Web of Science – ISI**, WOS:000490710700026, ISBN 978-3-030-18715-6; 978-3-030-18714-9, ISSN 2195-4356, DOI: 10.1007/978-3-030-18715-6_26).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000490710700026>

Vis4. Moraru E., Dontu O., Besnea D., Rizescu C., Rizescu D., Constantin V., *Theoretical and numerical researches on the electrochemical polishing of dental prostheses realized by selective laser melting*, IOP Conf. Series: Materials Science and Engineering, Vol. 564, Article Number 012029, 2019 (Lucrare indexată **Web of Science – ISI**, WOS:000562599900029, ISSN: 1757-8981, DOI: 10.1088/1757-899X/564/1/012029).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000562599900029>

Vis5. Besnea D., Rizescu C., **Moraru E.,** Panait I., Rizescu D., E.Dinu, *Using of additive technologies in*

fabrication of casting models, IOP Conf. Series: Materials Science and Engineering, Vol. 564 Article Number 012016, 2019 (Lucrare indexată **Web of Science – ISI**, WOS:000562599900016, ISSN: 1757-8981, DOI: 10.1088/1757-899X/564/1/012016).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000562599900016>

Vis6. Moraru E., Dontu O., Besnea D., Rizescu C., Rizescu D., Popescu-Cuta A., *Experimental Researches Regarding Mechanical Behaviour of Dental Prototypes realized by Additive Technologies*, MATEC Web of Conferences, Volume 290, Article Number 03011, 2019 (Lucrare indexată **Web of Science – ISI**, WOS:000569367700044, ISSN: 2261-236X, DOI: 10.1051/mateconf/201929003011).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000569367700044>

Vis7. Besnea D., Rizescu C., **Moraru E.**, Dinu E., Panait I., *Comparative study regarding the wear of gearwheels manufactured through additive technologies*, MATEC Web of Conferences, Volume 290, Article Number 08001, 2019 (Lucrare indexată **Web of Science – ISI**, WOS: 000569367700091, ISSN: 2261-236X, DOI: 10.1051/mateconf/201929008001).

<https://www.webofscience.com/wos/woscc/full-record/WOS:000569367700091>

Vis8. Moraru E., Besnea D., Dontu O., Gheorghe G.I., Constantin V., *Applications of Additive Technologies in Realization of Customized Dental Prostheses*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber-MixMechatronics – 2018. ICOMECYME 2018. Lecture Notes in Networks and Systems, vol 48, pp.8-17, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-319-96358-7_2).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85063124534&origin=resultlist>

Vis9. Besnea D., Dontu O., Constantin V., Spanu A., Rizescu C., **Moraru E.**, *Applications of Additive Technologies in the Food Industry*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber-MixMechatronics – 2018. ICOMECYME 2018. Lecture Notes in Networks and Systems, vol 48, pp.56-61, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-319-96358-7_6).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85063149432&origin=resultlist>

Vis10. Dontu O., Ioana M.C., Tănase B., Băran N., Gheorghe G.I., **Moraru E.**, *Researches Regarding the Use of Additive Technologies in the Construction of Water Aeration Elements*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber-MixMechatronics – 2018. ICOMECYME 2018. Lecture Notes in Networks and Systems, vol 48, pp.18-28, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-319-96358-7_3).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85063150864&origin=resultlist>

Vis11. Besnea D., Rizescu D., Rizescu C., Dinu E., Constantin V., **Moraru E.**, *Additive Technologies and Materials for Realization of Elastic Elements*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber-MixMechatronics – 2018. ICOMECYME 2018. Lecture Notes in Networks and Systems, vol 48, pp.62-70, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-319-96358-7_7).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85063132825&origin=resultlist>

Vis12. Rizescu D., Besnea D., Rizescu C.I., **Moraru E.**, *Study behavior of Geneva mechanism using 3D printing technology*, IOP Conference Series: Materials Science and Engineering, Vol. 514 (1), Article Number 012032, 2019 (Lucrare indexată **Scopus**, ISSN:1757-8981, DOI: 10.1088/1757-899X/514/1/012032).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85069440976&origin=resultlist>

Vis13. Moga I.C., Donțu O.G., Băran N., Besnea D., **Moraru E.**, Petrescu G., *Aeration system to be used in wastewater treatment*, IOP Conference Series: Materials Science and Engineering, Vol. 572 (1), Article number 012105, 2019 (Lucrare indexată **Scopus**, ISSN:1757-8981, DOI: 10.1088/1757-899X/572/1/012105).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85070599467&origin=resultslist>

Vis14. Besnea D., Dontu O., **Moraru E.**, Rizescu C., Gheorghe G.I., Dinu E., *Constructive Solution for Multi-filament 3D Printing*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber-MixMechatronics – 2019. ICOMECYME 2019. Lecture Notes in Networks and Systems, vol 85, pp.118-123, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-030-26991-3_11).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85069484893&origin=resultslist>

Vis15. Shpakova L., Gheorghe G.I., Nitu C., Dontu O., **Moraru E.**, Besnea D., Dragomir D., *Thermal Analysis of Some Prosthetic Dental Biomaterials Processed by Selective Laser Melting*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber-MixMechatronics – 2019. ICOMECYME 2019. Lecture Notes in Networks and Systems, vol 85, pp.124-132, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-030-26991-3_12).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85069492278&origin=resultslist>

Vis16. **Moraru E.**, Besnea D., Dontu O., Gheorghe G.I., Moga I.C., Popescu G.E., *Fabrication Technologies of Aeration Systems for the Ecological Treatment of Wastewater*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber-MixMechatronics – 2019. ICOMECYME 2019. Lecture Notes in Networks and Systems, vol 85, pp.133-141, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-030-26991-3_13).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85069528658&origin=resultslist>

Vis17. Dascalu M., Dragomir D., Besnea D., Dobrescu L., Pascalau A.M., Dobrescu D., Franti E., **Moraru E.**, Plavitu A., *Mechatronic structure for forearm prosthesis with artificial skin*, Smart Innovation, Systems and Technologies 174, pp. 471-481, 2020 (Lucrare indexată **Scopus**, ISSN: 2190-3018, ISBN: 978-981152646-6, DOI: 10.1007/978-981-15-2647-3_42).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85086266900&origin=resultslist>

Vis18. Dinu E., Besnea D., Ping A.S., Spanu A., **Moraru E.**, Panait I., *Device for Injection Molding Realized by Additive Technologies*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber- MixMechatronics – 2020. ICOMECYME 2020. Lecture Notes in Networks and Systems, vol 143, pp.139-148, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-030-53973-3_15).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85090511643&origin=resultslist>

Vis19. Spânu A.R., Besnea D., **Moraru E.**, *The Dynamic Modeling of Ball and Plate Mechatronic System with Two Simultaneously Degrees of Freedom*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber- MixMechatronics – 2020. ICOMECYME 2020. Lecture Notes in Networks and Systems, vol 143, pp.173-178, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-030-53973-3_19).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85090512616&origin=resultslist>

Vis20. **Moraru E.**, Stefanescu M.F., Dontu O., Rizescu C., Draghici C., *Thermographic Analysis of 3D Printed Dental Models*. In: Gheorghe G. (eds) Proceedings of the International Conference of Mechatronics and Cyber- MixMechatronics - 2020. ICOMECYME 2020. Lecture Notes in Networks

and Systems, vol 143, pp.149-155, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, DOI: 10.1007/978-3-030-53973-3_16).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85090512738&origin=resultslist>

Vis21. Moraru E., Dontu O., Rizescu C., Spanu A., Ciobanu R., Draghici C., *Laser-assisted additive technologies for the execution of dental restorative prostheses*, IOP Conference Series: Materials Science and Engineering, Vol. 997 (1), Article Number 012050, 2020 (Lucrare indexată **Scopus**, ISSN:1757-8981, DOI: 10.1088/1757-899X/997/1/012050).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85099186194&origin=resultslist>

Vis22. Besnea D., Avram M., Cananau S., **Moraru E.**, Spanu A., Constantin V., Panait I.C., *Constructive and functional particularities of 3D printers with applications in the food industry*, IOP Conference Series: Materials Science and Engineering, Vol. 997 (1), Article Number 012036, 2020 (Lucrare indexată **Scopus**, ISSN:1757-8981, DOI: 10.1088/1757-899X/997/1/012036).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85099179400&origin=resultslist>

Vis23. Besnea D., Dinu E., Rizescu C., **Moraru E.**, Rizescu D., Baran N., Pascu T., Panait I.C., *Experimental stand for studying the stretch behaviour of woven plastic nets used in the food industry*, IOP Conference Series: Materials Science and Engineering, Vol. 997 (1), Article Number 012037, 2020 (Lucrare indexată **Scopus**, ISSN:1757-8981, DOI: 10.1088/1757-899X/997/1/012037).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85099229395&origin=resultslist>

Vis24. Ionascu G., Manea E., Gavrila R., **Moraru E.**, *Technologies for Thin Layers on Ceramics Substrate*. In: Cioboata D.D. (eds) International Conference on Reliable Systems Engineering (ICoRSE) - 2021. ICoRSE 2021. Lecture Notes in Networks and Systems, vol 305, pp.250-265, Springer, Cham (Lucrare indexată **Scopus**, ISSN:2367-3370, ISBN:978-303083367-1, DOI: 10.1007/978-3-030-83368-8_25).

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85113423851&origin=resultslist>

IV. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obtinute prin competitie, pe bază de contract/grant, in tara/strainatate (**Pn** – nationale, **Pi** - internationale).

Pi1. Membru în echipa de cercetare, Proiect „*Tehnologie eficientă pentru epurarea biologică a apelor uzate*”, CEBIOTREAT, Contract nr.24/2018, ERA-NET COFUND MANUNET-III (2018-2020)

Pi2. Membru în echipa de cercetare, Proiect „*Neuroproteza de antebraț echipată cu piele artificială și feedback sensorial*”, ARMIN, Contract nr: 8/2019, EEA-RO-NO2018-0390, EEA Norway Grants (2019-2023)

Pn1. Membru în echipa administrativă, Proiect POCU/379/6/21 „*Antreprenoriat Competent în rândul Tinerilor – Învățământ Inovativ pentru Viitor*” – ACTIV, Cod proiect 124635 (2019-2021)

Pn2. Tutore, Proiect ROSE – „*Creșterea ratei de implicare a studenților din anul I licență din Facultatea de Inginerie Mecanică și Mecatronică – UPB*”, acronim CRISALI - FIMM, contract de finanțare AG363/SGU/S5/III din 10.09.2020 (2020-2022)

Data: 14.12.2021

Candidat,
As.dr.ing.Edgar MORARU