

LISTA DE LUCRĂRI**a cadrului didactic****A. Teza de doctorat**

Contribution a l'analyse des iterations dans le processus de conception: proposition d'indicateurs d'evaluation de performances - Contributii privind iteratiile si indicatorii de evaluare in procesul de conceptie, Universitatea din Pitești și Université de Technologie de Belfort-Montbéliard, Franța, domeniul Inginerie Industrială. Prof. Olivier GARRO, Prof. Ion UNGUREANU, Conf. Toufik BOUDOUH, Inginerie industrială, 2007

Contribution a l'analyse des iterations dans le processus de conception: proposition d'indicateurs d'evaluation de performances - Contributii privind iteratiile si indicatorii de evaluare in procesul de conceptie, Universitatea din Pitești și Université de Technologie de Belfort-Montbéliard, Franța, domeniul Inginerie Industrială. Prof. Olivier GARRO, Prof. Ion UNGUREANU, Conf. Toufik BOUDOUH, Inginerie industrială, 2007

B. Cărți și capitole în cărți publicate în perioada 2005 - 2016**B1. Cărți și capitole în cărți de specialitate internaționale ca autor (cu ISBN extern)**

1. ANGHEL D-C., BOUDOUH T., GARRO O., *Analyse des iterations dans le processus de conception*, Éditions Universitaires Européennes, Sarrebruck, Allemagne, 164 p., ISBN: 978-613-1-56787-2., 2011, (TC_6_2012_DFMI)

B2. Cărți și capitole în cărți de specialitate naționale ca autor (cu ISBN intern)

1. Daniel ANGHEL, Alin RIZEA, *Proiectarea produselor*, Editura Universității din Pitești, 2008, 170 p., ISBN 978-973-690-841-5., 2008, (TC_6_2012_DFMI)

2. BANU I., ANGHEL D-C., *Fabricarea asistată de calculator*, Editura Universității din Pitești, 2011, 520 p., ISBN:978-606-560-225-0., 2011, (TC_8_2012_DFMI)

3. Plăiașu G., Iordache M., Anghel D., Banu Il., Dobrescu I., *Tehnologia materialelor. Îndrumar de laborator*, pag. 157, Editura Universității din Pitești, 2016, ISBN 978-606-560-476-6., 2016, (TC_8_2016_DFMI, TC_6_2016_DFMI)

B6. Îndrumare de laborator, culegere de probleme (fără ISBN)

1. Alin-Daniel Rizea ; Daniel-Constantin Anghel ; Adriana-Gabriela Plăiașu (Șchiopu), *Proiectarea produselor : Lucrări de laborator*, , 2007

2. Anghel D, Boroiu A, Rizea A, *Indrumar de practica - FMT*, FONDUL SOCIAL EUROPEAN Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007 – 2013 Axa prioritară: 2 „Corelarea învățării pe tot parcursul vieții cu piața muncii” Domeniul major de intervenție: 2.1. „Tranziția de la școală la viața activă” Titlul proiectului: Rețea transnațională educațională privind orientarea, consilierea și practica pentru carieră, corelate cu piața muncii, în societatea cunoașterii - PRACTICOR Contract nr.: POSDRU/90/2.1/S/48816, 2012

C. Lucrări (articole) ISI / BDI publicate în perioada 2005 - 2016

C1. Articole în reviste cotate ISI Thomson Reuters

1. Boudouh T., Anghel D.-C., Garro O., *Design iterations in a geographically distributed design process*, Advances in Design, Edited by H. ElMaraghy and W. ElMaraghy, Springer Verlag, pp. 377-386, jan. 2006. ISBN : 1-84628-004-4., 2006, (TC_6_2012_DFMI)

C2. Articole în volume indexate ISI Proceedings

1. Belu N., Anghel D.-C., Banu I., Ilie S., *Improvement of product quality based on Taguchi method*, ModTech International Conference - New face of TMCR Modern Technologies, Quality and Innovation - New face of TMCR, 21-23th May 2009, in Proceedings of the 13th International Conference Modern Technologies, Quality and Innovation, Iași&Chișinău, 21-23 May pp. 55-58, 2009., 2009, (TC_8_2012_DFMI)

2. D.C. Anghel, A.G. Plaiiașu, *Rapid prototyping - a method to improve the performances of design process*, MODTECH 2010: NEW FACE OF TMCR, PROCEEDINGS Book Series: Proceedings of the International Conference ModTech, MODTECH 2010, pag.47-50, www.webofknowledge.com., 2010, (TC_6_2013_DFMI)

3. Plaiasu A.G., Anghel D-C, *Application of functional analysis to establish the process of nanostructured oxide film deposition*, MODTECH 2010: NEW FACE OF TMCR, PROCEEDINGS Book Series: Proceedings of the International Conference ModTech, pag. 459-462, www.webofknowledge.com., 2010, (TC_4_2012_DFMI)

4. Banu Il., Anghel D-C, *Contributions to the quality study of the parts made of malleable iron used for manufacturing crankshafts*, MODTECH 2010: NEW FACE OF TMCR, PROCEEDINGS Book Series: Proceedings of the International Conference ModTech, www.webofknowledge.com., 2010, (TC_8_2012_DFMI)

5. Belu, N., Anghel D.C., Rachieru, N., *Application of Fuzzy Logic in Design Failure Mode and Effects Analysis*, 17th International Conference on Innovative Manufacturing Engineering – ImanE 2013, Iași, Romania, May 23-24, in Applied Mechanics and Materials, Vol. 371, pp. 832-836, 2013, Trans Tech Publications, Switzerland doi: 10.4028/www.scientific.net/AMM.371.832., 2013, (TC_6_2013_DFMI, TC_9_2013_DFMI)

6. Rachieru, N., Belu, N., Anghel D.C., *Improvement of Process Failure Mode and Effects Analysis using Fuzzy Logic*, 17th International Conference on Innovative Manufacturing Engineering – ImanE 2013, Iași, Romania, May 23-24, in Applied Mechanics and Materials, Vol. 371, pp. 822-826, 2013. TransTech Publications, Switzerland doi:10.4028/www.scientific.net/AMM.371.822., 2013, (TC_9_2013_DFMI)

7. Anghel D.C., Belu, N., *Contribution to Ranking an Ergonomic Workstation, Considering the Human Effort and the Microclimate Parameters, using Neural Networks*, 17th International Conference on Innovative Manufacturing Engineering – ImanE 2013, Iași, Romania, May 23-24, in Applied Mechanics and Materials Vol. 371, pp 812-816, 2013. Trans Tech Publications, Switzerland doi: 10.4028/www.scientific.net/AMM.371.812., 2013, (TC_9_2013_DFMI)

8. Belu, N., Anghel D.C., Rachieru, N., *Failure Mode and Effects Analysis on control equipment using fuzzy theory*, ModTech International Conference on Modern Technologies in Industrial Engineering (ModTech 2013 (conference volum ISBN-13:978-3-03785-929-2), June 27-29, Sinaia, Romania, in Advanced Materials Research Vol. 837, 2014, pp. 16-21, Trans Tech Publications, Switzerland, doi: 10.4028/www.scientific.net/AMR.837.16., 2013, (TC_6_2013_DFMI, TC_9_2013_DFMI)
9. Rachieru, N., Belu, N., Anghel D.C., *Evaluating the Risk of Failure on Injection Pump using Fuzzy FMEA Method*, Proceedings of Innovative Manufacturing Engineering International Conference, IManE, May 29-30, Chişinău-Republica Moldova, 2014. Applied Mechanics and Materials Vol. 657 (2014) pp 976-980. Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMM.657.976., 2014, (TC_10_2014_DFMI, TC_7_2014_DFMI)
10. Belu, N., Anghel D.C., Rachieru, N., *Fuzzy Failure Mode and Effect Analysis Application to Improve Laser Cutting Process*, Advanced Materials Research Vol. 1036 (2014) pp 280-285. Trans Tech Publications, doi:10.4028/www.scientific.net/AMR.1036.280., 2014, (TC_7_2014_DFMI, TC_10_2014_DFMI)
11. Anghel D.C., Belu, N., Rachieru, N., *How to redesign ergonomic workstations, using neural networks and the Rula method in CATIA V5*, Advanced Materials Research Vol. 1036 (2014) pp 995-1000. Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.1036.995., 2014, (TC_7_2014_DFMI, TC_10_2014_DFMI)
12. Anghel D.C., Ene A., Belu, N., *A Matlab neural network application for the study of working conditions*, ModTech International Conference on Modern Technologies in Industrial Engineering - ModTech 2013 (conference volum ISBN-13:978-3-03785-929-2), June 27-29, Sinaia, Romania, in Advanced Materials Research Vol. 837, pp. 310 - 315, 2014, Trans Tech Publications, Switzerland, doi: 10.4028/www.scientific.net/AMR.837.310., 2014, (TC_7_2014_DFMI, TC_10_2014_DFMI)
13. Anghel, D.C., Belu, N., *Contributions to Predict the Malfunction Probability of the Human-Machine-Environment System, Using Artificial Neural Networks.*, Applied Mechanics and Materials Vol. 760 (2015), pp. 771-776. Trans Tech Publications., 2015, (TC_7_2015_DFMI, TC_10_2015_DFMI)
14. Rachieru, N., Belu, N., Anghel, D. C., *An improved method for risk evaluation in failure modes and effects analysis of CNC lathe*, Conference: 3rd International Conference on Modern Technologies in Industrial Engineering (ModTech) Location: Mamaia, Romania, Jun 17-20, 2015, Modern Technologies In Industrial Engineering (ModTech2015) Book Series: IOP Conference Series- Materials Science and Engineering Volume: 95 Article Number: 012139, 2015. , 2015, (TC_7_2015_DFMI, TC_10_2015_DFMI)
15. Isac. N, Anghel D.C., Yanik T., *Contributions to achieve an innovative study of motivational parameters, based on the human operator satisfaction and performance, using Artificial Neural Networks*, 2nd International Conference on“ New Directions In Multidisciplinary Research & Practice” (NDMRP- 2015), ISBN: 978-969-9948-29-9, 2015, (TC_10_2015_DFMI)
16. Belu N., Ionescu L. M., Anghel D.C, Rachieru N., *Improvement of Manufacturing Process by Reducing of the Failures Ratio through Genetic Algorithm*, Applied Mechanics and Materials, vol. 834 (2016), pp. 61-66, doi: 10.4028/www.scientific.net/AMM.834.61., 2016, (TC_6_2016_DFMI, TC_9_2016_DFMI)
17. Ionescu L.M., Belu N., Rachieru N., Mazăre A., Anghel D.C., *Monitoring of manufacturing processes in the automotive industry using indoor location system*, ModTech International Conference - Modern Technologies in Industrial Engineering IV, Iaşi15-18 of June 2016, in IOP Conf. Series: Materials Science and Engineering 145 (2016) 022020 doi:10.1088/1757-899X/145/2/022020., 2016, (TC_9_2016_DFMI)

C3. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

1. Anghel D. - C., Belu N., *The analysis of existent interactions within the design process*, Annual Session of Scientific Papers “IMT Oradea 2008”, in Annals of the Oradea University. Fascicle of Management and Technological Engineering, volume VII (XVII), pp. 1873 – 1876, CNCSIS Clasa B+, ISSN 1583 - 0691, 2008, doi: 10.15660/AUOFMTE.2008.1221. (BDI: Index Copernicus., 2008, (TC__DAT))
2. Belu N., Anghel D.-C., *Using the FBS model for the analysis of the correlation “Problem – Solution” in the design process*, Annual Session of Scientific Papers “IMT Oradea 2008” in Annals of the Oradea University. Fascicle of Management and Technological Engineering, volume VII (XVII), pp. 1219 – 1222, Clasa B+, ISSN 1583 - 0691, doi: 10.15660/AUOFMTE.2008.1104, 2008. (BDI: Index Copernicus, Ulrichsweb)., 2008, (TC__DAT)
3. Belu N., Anghel D.-C., *A method to pilot the products’ outlook process based on the way to satisfy the designing requirements*, Review of Management and Economic Engineering/ Revista de Management și Inginerie Economică, vol. 7, nr.2 (27), pp. 199-208, 2008, ISSN1583-624X, Cod CNCSIS 79, Revistă B+ .(BDI: ULRICH’S Periodicals Directory, EBSCO, Index Copernicus, Cabell's directory)., 2008, (TC__DAT)
4. Anghel D.-C., Belu N., *Aspects concernant l'evolution de la conception et les methodes utilisees dans le processus de conception des produits*, he XIIth International Scientific Conference Iasi – Chisinau Modern Technologies, Quality, Restructuring “T.M.C.R. – 2008” Iasi, 29 - 31 may, în Buletinul Institutului Politehnic din Iasi, publicat de Universitatea Tehnică „Gh. Asachi” Iasi. Sectia Constructii de Masini, Tomul LIV (LVIII), Fasc.2, pp.211-216, 2008, ISSN 1011-2855, Cod CNCSIS 500, Revistă B+ (BDI: Index Copernicus, ULRICHS)., 2008, (TC__DAT)
5. Belu N., Anghel D.-C., *La strategie kaizen – une voie d’amelioration continue de la qualite du produit*, The XIIth International Scientific Conference Iasi – Chisinau Modern Technologies, Quality, Restructuring “T.M.C.R. – 2008” Iasi, 29 - 31 may, în Buletinul Institutului Politehnic din Iasi, publicat de Universitatea Tehnică „Gh. Asachi” Iasi. Sectia Constructii de Masini, Tomul LIV (LVIII), Fasc.2, ISSN 1011-2855, pp.225-231, 2008. Cod CNCSIS 500, Revistă B+ (BDI: Index Copernicus, ULRICHS)., 2008, (TC__DAT)
6. Anghel D.-C. Belu N., *A study of the iterations in the design process, based on Markov Chain Model*, Modelling and Optimization in the Machines Building Field, MOCM – Nr. 15, Vol. III, Revistă B+, cod 461/2007, Indexată BDI: ProQuest (CSA - USA) și Viniti (Russia), ISSN: 1224-7480., 2009, (TC_6_2012_DFMI)
7. Anghel D.-C., Belu N., *A study of the intermediary objects in design process*, Modelling and Optimization in the Machines Building Field, MOCM – Nr. 15, Vol. III, cod 461/2007, Indexată BDI: ProQuest (CSA - USA) și Viniti (Russia), ISSN: 1224-7480, 2009, (TC_6_2012_DFMI)
8. Belu N., Anghel D.-C., Ilie S., *Contributions to monitoring of the design processes based on the interaction between participants*, Scientific Bulletin Faculty of Mechanics and Technology University of Pitesti, Automotive Series, year XV, no.19, vol. A, ISSN 1453-1100, pp.47-52, 2009. (BDI: Index Copernicus)., 2009, (TC__DAT)
9. Anghel D. C., Belu N., *Rapid prototyping in iterative design, using Catia V5 and Zprinter 310 PLUS*, Scientific Bulletin Faculty of Mechanics and Technology University of Pitesti, Automotive Series, year XV, no.19, ISSN 1453-1100, vol. A, ISSN 1453-1100, pp.17-22, 2009. (BDI: Index Copernicus)., 2009, (TC__DAT)
10. Anghel D.-C., Belu N., *The prototype in the design product*, Annual Session of Scientific Papers “IMT Oradea 2009”, in Annals of the Oradea University. Fascicle of Management and

Technological Engineering, Volume VIII (XVIII), pp. 903-906, ISSN 1583 – 0691 CNCSIS Clasa B+, 2009, doi: 10.15660/AUOFMTE.2009.1533. (BDI: Index Copernicus, Ulrichsweb). , 2009, (TC___DAT)

11. Belu N., Anghel D.-C., *Application of FMEA method in the design*, Annual Session of Scientific Papers “IMT Oradea 2009”, in Annals of the Oradea University. Fascicle of Management and Technological Engineering, Volume VIII (XVIII), pp. 954-958, ISSN 1583 - 0691, CNCSIS Clasa B+, 2009, doi: 10.15660/AUOFMTE.2009.1544. (BDI: Index Copernicus, Ulrichsweb). , 2009, (TC___DAT)

12. Belu N., Anghel D.-C., Ilie S., *Project management using Primavera for Enterprise System*, Annual Session of Scientific Papers IMT ORADEA – 2010, Oradea May 27-28th, in Annals of the Oradea University. Fascicle of Management and Technological Engineering, Volume IX (XIX), Nr1, pp. 4.17-4.26, CNCSIS Clasa B+, 2010, doi: 10.15660/AUOFMTE.2010-1.1804, ISSN 1583 – 0691 (BDI: Index Copernicus, Ulrichsweb)., 2010, (TC___DAT)

13. Belu N., Anghel D.-C., *Project management in design stage*, Annual Session of Scientific Papers IMT ORADEA – 2010, Oradea May 27-28th, in Annals of the Oradea University. Fascicle of Management and Technological Engineering, Volume IX (XIX), Nr2, pp. 4.16-4.23., ISSN 1583 – 0691, CNCSIS Clasa B+, 2010, doi: 10.15660/AUOFMTE.2010-2.1942 (BDI: Index Copernicus, Ulrichsweb)., 2010, (TC___DAT)

14. Anghel D.-C., Belu N., Rizea A. D., *Utilization of the innovative methods in the redesign process of a product*, Scientific Bulletin, University of Pitesti, Faculty of Mechanics and Technology, Automotive series, year XVII, no.21 (A), ISSN 1453-1100, pp. 22-32, 2011. (BDI: Index Copernicus)., 2011, (TC___DAT)

15. Ilie N., Anghel D.- C., Ilie S., *Aspects on applying of functional analysis method to products design and its relationships with other various design methods*, Annual Session of Scientific Papers IMT Oradea – 2011 Oradea, Felix Spa, May 26-28th, în Annals of the Oradea University. Fascicle of Management and Technological Engineering, Volume X (XX), nr2, pp. 5.134-5.141, 2011 ISSN 1583 – 0691, CNCSIS Clasa B+, Doi: 10.15660/AUOFMTE.2011-2.2304 (BDI: Index Copernicus, Ulrichsweb)., 2011

16. Rizea A. D., Belu N., Anghel D. –C., *Aspects concerning the influence exerted by the properties of ceramic materials on the cutting mechanism and the surface quality*, Scientific Bulletin, University of Pitesti, Faculty of Mechanics and Technology, Automotive series, year XVII, no.21 (A), ISSN 1453-1100, pp. 44-48, 2011. (BDI: Index Copernicus), 2011

17. Belu, N., Rachieru, N., Militaru, E., Anghel D.C., *Application of FMEA method in product development stage*, Academic Journal of Manufacturing Engineering, volume 10, Issue3, Cod CNCSIS 127, Revistă B+ , ISSN 1583-7904, pp.12-19, 2012 (BDI: Index Copernicus), 2012, (TC_6_2012_DFMI, TC_10_2012_DFMI)

18. Anghel D.-C., Belu N., Rizea A. D., *Use the RULA method to design ergonomic workstations in Catia V5*, Scientific Bulletin, University of Pitesti, Faculty of Mechanics and Technology, Automotive series year XVIII, No. 22, Volume B, pp. 13-18, ISSN 1453-1100, 2012. (BDI: Index Copernicus)., 2012, (TC_6_2012_DFMI, TC_10_2012_DFMI)

19. Anghel D.-C., Belu N., *Application of design for manufacturing approach to designing a shaft of a gearbox, in CATIA V5*, Scientific Bulletin, University of Pitesti, Faculty of Mechanics and Technology, Automotive series, year XIX, no.23 B, ISSN 1453-1100, pp. 5-11, 2013. (BDI: Index Copernicus)., 2013, (TC_6_2013_DFMI, TC_9_2013_DFMI)

D. Lucrări (articole) publicate în perioada 2005 - 2016 în reviste și volume de conferințe cu referenți (neindexate)

D1. Articole în reviste

1. Belu N., Anghel D.-C., *Application of the FBS model, in design products to analyze the relations between the functions and the structure*, Scientific Bulletin Faculty of Mechanics and Technology, University of Pitesti, Automotive series, year. XIV no.18, ISSN 1453-1100, pp.21-24, 2008., 2008, (TC__DAT)
2. Anghel D.-C., Belu N., *Functional analysis of a product in design process, for the automotive industry*, Scientific Bulletin Faculty of Mechanics and Technology, University of Pitesti, Automotive series, year. XIV no.18, ISSN 1453-1100, pp.11-16, 2008., 2008, (TC__DAT)
3. Anghel Daniel-Constantin, Belu Nadia, Boudouh Toufik, *Experimental study of design process to identify the iterations sources*, Scientific Bulletin Faculty of Mechanics and Technology, University of Pitesti, Automotive series, year. XIV no.18, ISSN 1453-1100, pp. 5-10, 2008, 2008, (TC__DAT)
4. Anghel D.-C., Belu N., Toufik Boudouh, *Management of design process based on the analysis of intermediary objects*, C2I 2008 International Conference on Integrated Engineering, Timișoara, in Academic Journal of Manufacturing Engineering ISSN 1583 - 7904, vol. 6, ISSUE 1/2008, pp. 6-11, cod CNCSIS 127 Revistă B., 2008, (TC__DAT)
5. Belu N., Anghel D.-C., Toufik Boudouh, *The utilization of the “Problem - Solution” indicators in the management of the products design process*, C2I 2008 International Conference on Integrated Engineering, Timișoara, publicat în Academic Journal of Manufacturing Engineering ISSN 1583 - 7904, vol. 6, ISSUE 1/2008, pp. 29- 34, 2008 cod CNCSIS 127 Revistă B., 2008, (TC__DAT)
6. Anghel D.-C., Belu N., *A study of the intermediary objects in design process*, Modelling and Optimization in the Machines Building Field, MOCM – Nr. 15, Vol. II, ISSN: 1224-7480, 2009. cod CNCSIS 461, Revistă B., 2009, (TC__DAT)

D2. Articole în volumele manifestărilor științifice

1. Belu N., Anghel D.-C., *A series of indicators development for quality evaluation during the design process*, International Conference on Mechanical and Naval Engineering TEHNONAV Constanța - The sixth edition, 22-24 May 2008, Ovidius University Annals of Mechanical, Industrial and Maritime Engineering, Volume X, Tom I, ISSN-1224-1776, 2008., 2008, (TC__DAT)
2. Anghel D. C., Belu N., *Modelling of the turning process using CATIA V5*, A XXXII-a Conferință Națională de Mecanica Solidelor (CNMS XXXII), Pitești 11-13 septembrie, în Buletin Științific, seria Mecanică Aplicată, vol.3(17), pp.22-27, 2008., 2008, (TC__DAT)
3. Study of the impact of the rapid prototyping method on the performances of a design process, *Study of the impact of the rapid prototyping method on the performances of a design process*, International Automotive Congress, CONAT 2010, XI-th Edition, October 27 – 29, Brașov, publicat în Congress Proceedings ISSN 2069- 0428, pp. 155-162, 2010., 2010
4. Belu N., Anghel D.- C. Rachieru Nicoleta, Militaru Emil, *Continuous improvement of production process using Process Failure Mode and Effects Analysis in the automotive industry*, , 2012, (TC_10_2012_DFMI)

F. Granturi / proiecte de cercetare în perioada 2005 - 2016

F1. Granturi / proiecte câștigate prin competiție internațională

1. *Solar Facilities for European Research Area (SFERA): Influence of structural transformations performed by thermal shock on thermal diffusivity alloy zircaloy-4*, Mărioara ABRUDEANU, Vasile RIZEA, Daniel- Constantin ANGHEL, Solar Facilities for European Research Area (SFERA):

Transnational projects FP7, COMISIA EUROPEANĂ, Contract nr.312643, 2015, 0.00, (TC_1_2015_DFMI)

2. *STUDY OF VARIATION OF THE MECHANICAL PROPERTIES OF SUPERALLOYS INCONEL 718 AND RENE 41 UNDER THERMAL SHOCK – (TERMOINCORENE -2016)*, Daniel-Constantin ANGHEL, Mărioara ABRUDEANU, Adriana-Gabriela PLĂIASU, Vasile RIZEA, Luminita CONSTANTINESCU, Solar Facilities for European Research Area (SFERA): Transnational projects FP7, COMISIA EUROPEANĂ, Contract nr.312643, 2016, 0.00, (TC_1_2016_DFMI)

F3. Contracte de cercetare cu mediul socio-economic

1. Daniel-Constantin ANGHEL, Constantin ONESCU, *Concepția unui tribometru instrumentat pentru studiul frecării și al uzurii pentru piese de diferite materiale utilizate în construcția de automobile*, Contract SC AKA Automotiv Călinești, 2015, (TC_4_2015_DFMI)

Data: 14.02.2017

Cadrul didactic ANGHEL DANIEL CONSTANTIN

Semnătura