Curriculum vitae Europass

Informaţii personale

Nume / Prenume	**MANEA, Emilia-Adela**
E-mail(uri)	emilia.salca@unitbv.ro

Domeniul pentru care se solicită conducerea de doctorat

INGINERIE FORESTIERĂ

Experienţa profesională

Perioada	**2017-prezent**
Funcţia sau postul ocupat	Conferențiar universitar
Activităţi şi responsabilităţi principale	Activități didactice și cercetare
Numele şi adresa angajatorului	Facultatea de Design de Mobilier și Ingineria Lemnului, Universitatea Transilvania din Brașov
Tipul activităţii sau sectorul de activitate	Învățământ universitar
Perioada	**2004-2017**
Funcţia sau postul ocupat	Șef Lucrări
Activităţi şi responsabilităţi principale	Activități didactice și cercetare
Numele şi adresa angajatorului	Facultatea de Ingineria Lemnului, Universitatea Transilvania din Brașov,
Tipul activităţii sau sectorul de activitate	Învățământ universitar
Perioada	**2001-2004**
Funcţia sau postul ocupat	Asistent universitar
Activităţi şi responsabilităţi principale	Activități didactice și cercetare
Numele şi adresa angajatorului	Facultatea de Ingineria Lemnului, Universitatea Transilvania din Brașov
Tipul activităţii sau sectorul de activitate	Învățământ universitar
Perioada	**1999-2001**
Funcţia sau postul ocupat	Profesor inginer-detașare
Activităţi şi responsabilităţi principale	Activități didactice
Numele şi adresa angajatorului	Școala Generală nr. 13, Brașov
Tipul activităţii sau sectorul de activitate	Învățământ preuniversitar
Perioada	**1990-1999**
Funcţia sau postul ocupat	Profesor inginer titular (definitivat 1993, gradul II 1999)
Activităţi şi responsabilităţi principale	Activități didactice
Numele şi adresa angajatorului	Grup Școlar Forestier Nehoiu, Buzău
Tipul activităţii sau sectorul de activitate	Învățământ preuniversitar
Perioada	**1988-1990**

Funcţia sau postul ocupat	Inginer
Activităţi şi responsabilităţi principale	Activități de producție
Numele şi adresa angajatorului	IFET Tg. Secuiesc, Covasna
Tipul activităţii sau sectorul de activitate	Sector industrial prelucrarea lemnului

Educaţie şi formare

Perioada	**2024** Atestat de abilitare Nr. 5306/28.06.2024 in domeniul de doctorat Inginerie Forestiera; Afiliere la SDI-UNITBV-Domeniul Inginerie Forestiera, Nr 521/21.11.2024.
Perioada	**2003-2008**
Calificarea / diploma obţinută	Doctor în Domeniul Inginerie Industrială.2008
Disciplinele principale studiate	Studiul lemnului, Tehnologia lemnului
Numele şi tipul instituţiei de învăţământ	Facultatea de Ingineria Lemnului, Universitatea Transilvania din Brașov
Nivelul în clasificarea naţională sau internaţională	ISCED 6
Perioada	**2006**
Calificarea / diploma obţinută	Diplomă de absolvire-specializarea informatică
Disciplinele principale studiate	Studii post-universitare
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Facultatea de matematică și informatică, Universitatea Transilvania din Brașov
Nivelul în clasificarea naţională sau internaţională	ISCED 6
Perioada	**1983-1988**
Calificarea / diploma obţinută	Diplomă de inginer în industria lemnului
Disciplinele principale studiate / competenţe profesionale dobândite	Studiul lemnului, Tehnologia mobilei, Produse finite din industria lemnului, Mașini și utilaje pentru industria lemnului, Scule și dispozitive pentru industria lemnului
Numele şi tipul instituţiei de învăţământ	Facultatea de Industrializarea Lemnului, Universitatea Transilvania din Brașov
Nivelul în clasificarea naţională sau internaţională	ISCED 6

Aptitudini şi competenţe personale

Limba(i) maternă(e) **Precizaţi limba(ile) maternă(e)** (dacă este cazul specificaţi a doua limbă maternă, vezi instrucţiunile)

Limba(i) străină(e) cunoscută(e) **(*) Nivelul Cadrului European Comun de Referinţă Pentru Limbi Străine**

Autoevaluare	Înţelegere				Vorbire				Scriere	
Nivel european (*)	Ascultare		Citire		Participare la conversaţie		Discurs oral		Exprimare scrisă	
Engleză	**B2**	**Independent user**	**B2**	**Independent user**	**B2**	**Independent user**	**B2**	**Independent user**	**B2**	**Independent user**
Franceză	**B1**	**Independent user**	**B1**	**Independent user**	**B1**	**Independent user**	**B1**	**Independent user**	**B1**	**Independent user**

Competenţe şi abilităţi sociale	Munca în echipă, comunicare, abordare multi-culturală
Competenţe şi aptitudini organizatorice	Coordonare proiect de cercetare, co-echipier în proiecte de cercetare, supervizare de proiecte de diplomă și dizertație, coordonare lucrare de grad didactic, membru în comitetul de organizare - conferințe științifice internaționale, coordonator Erasmus al facultății, coordonator program de studii
Competenţe şi aptitudini tehnice, utilizare PC	Tehnici de măsurare și testare, prelucrare și interpretare date, Office, AutoCAD, Minitab,

Informaţii suplimentare

Proiecte în calitate de director:

- Grant Nr. 543- Cercetare post-doctorală-Fulbright Senior Award Scholarship la Universitatea Oklahoma SUA. Titlu Proiect: Evaluation of different wood species as function of heat treatment. Sursa de finanțare: Guvernul SUA și Guvernul României. Valoare totala de 10122 Euro. Perioada 2013-2014. Publicație ISI relevantă:
  - **SALCA, E.A**., HIZIROGLU, S. (2014). Evaluation of hardness and surface quality of different wood species as function of heat treatment, **Materials and Design,** 62, 416-423. DOI: 10.1016/j.matdes.2014.05.029. WOS:000340047400050
- Temă de cercetare științifică prin competiție Nr. 2314/02.03.2017. Responsabil temă pe durata primului an de desfășurare. Titlu proiect: Cercetări privind stabilirea criteriilor de calcul a taxei de peiaj. Sursa de finanțare: RNP Romsilva. Valoare 100000 lei, din care 50000 lei în 2017. Perioada 2017-2018. Publicație proceedings ISI:
  - DERCZENI, R., **SALCA, E.A**., CIOBANU, V.D., BITIR, I., MUSAT, E.C., LIAMPAS, S.A. (2018). Establishing criteria for calculating the tax/road tolling for vehicles used for timber transport on forest roads. In: Proceedings of the Biennial International Symposium "Forest and Sustainable Development" 8th Edition, 25th-27th of October 2018, Brașov, Romania, p.161-170, (ISI 2019). WOS:000659268700016

Proiecte în calitate de membru:

- Contract CNCSIS cod 397 – Program tip A, avand tema: Fenomene nanotehnologice la compozitele anizotrope realizate din lamele din lemn de diferite specii, destinate utilizărilor industriale (transporturi, construcții, industria lemnului, etc); Perioadal 2006-2007
- Proiect CEEXnr.191/2006 -Program MATNANTECH-CEEX-M1-C1-9153-2006-2008-Institutul de Chimie Macromoleculară P. Poni - Lignina- sursa de materii prime pentru combustibili neconvenționali, energie, produse chimice și materiale performante în conditiile dezvoltării durabile; Perioada 2006-2008
- Grant PNCD12 Compozite biodegradabile cu inserții textile pentru produse ambientale ecologice – BIOCOMPTEX Parteneriate 72-200/2008; Perioada 2008-2010
- Proiect Novel learning approach for ERGOnomic Principles for deSiGNers working in the upholstery and sleep sectors by using Virtual Reality (ERGOSIGN), în cadrul programului ERASMUS+ KA2-Cooperation for Innovation and the Exchange of Good Strategic Partnership for Vocational Education and Training. 2015-1-RO01-KA202-015091; Perioada 2015-2018

Burse de cercetare de scurtă durată în echipa internațională:

- STSM sub COST Action FP1006, 19.03.2012-01.04.2012, la Norwegian Forest and Landscape Institute, As, Norway. Sursa de finanțare: COST Action FP1006, ECOST-STSM-FP1006-190312-015220; Anul 2012
- Invitational Fellowship prin Programul ASIA BRIDGE la Universitatea din Shizuoka, Shizuoka, Japonia, 2 luni, 2014-2015. Cercetarea a fost efectuată în colaborare cu cercetători de la Universitatea Shizuoka si Universitatea Nagoya din Japonia.
- Bursa Universității Transilvania din Brașov 2015. Cercetarea s-a efectuat la Universitatea din Poznan. Sursa de finanțare: Universitatea Transilvania din Brașov Nr. 8536-22.07.2015; Perioada 2015-2016
- Bursa Universității Transilvania din Brașov pentru mobilitate internațională 2016 – competiția a doua. Cercetarea s-a efectuat la Universitatea Ucraineană Națională Forestieră din Lviv, Ucraina. Sursa de finanțare: Universitatea Transilvania din Brașov 20.07.2016; Perioada 2016-2017
- STSM sub COST Action FP 1407, 03.09.2018-13.09.2018, Department of Wood-Based Composites, Cellulose & Paper la Ukrainian National Forestry University in Lviv, Ukraine; STSM Ref. nr. 41745; Perioada 2017-2018
- Bursa Universității Transilvania din Brașov 2018. Cercetarea s-a efectuat la Oklahoma State University, USA. Sursa de finanțare: Universitatea Transilvania din Brașov Nr. 42/06.06.2018; Perioada 2018-2019.

Participări la activităţi didactice în universităţi din străinătate

a) Mobilități didactice prin Programul ERASMUS la:
- Universitatea de Vest Ungaria, Sopron, Septembrie 2012
- Universitatea Karadeniz, Trabzon, Turkey, Mai 2013
- Universitatea din Kaunas, Kaunas, Lituania, Septembrie 2014
- Universitatea din Poznan, Poznan, Polonia, Februarie 2016
- Universitatea din Moscova, Rusia, Septembrie 2017
- Universitatea Karadeniz, Trabzon, Septembrie 2018
- Universitatea Oklahoma, Stillwater, SUA, Ianuarie 2019
- Universitatea din Jelgava, Latvia, Septembrie 2023

Participări la activităţi de instruire prin COST Action în universităţi din străinătate

b) Mobilități de instruire (training schools TS) prin COST Actions FP1006, FP1407
- Training School for Vibrational spectroscopy, 23-24 April 2012, University of Applied Sciences, Salzburg, Campus Kuchl, Austria.
- Training School - Finishing of the surfaces of thermally modified wood with UV lacquer products, 6-8 March 2013, Faculty of Wood Technology and Technical Centre of SHERWIN WILLIAMS Company, Poznan, Poland.
- Training School - X-ray tomography and service life prediction, 15-16 April 2013, Ghent University, Laboratory of Wood Technology, Ghent, Belgium.
- Training School - Production and Characterisation of Decorative Laminates, Theory and practice, 5-7 March 2014, Porto and Viseu, Portugal.
- Training School - Service life of modified wood: Understanding Test Methodologies, 3 – 5 April, 2017, Bangor, Wales, UK

c) Mobilități de instruire prin Programul ERASMUS la:
- Universitatea din Orleans, Orleans, Franța, Iunie 2013
- Universitatea din Nicosia, Nicosia, Cipru, Aprilie 2014
- Universitatea Okan, Istanbul, Turcia, Aprilie 2015
- Universitatea Aalto, Espoo, Finlanda, Octombrie 2015
- Universitatea Pardubice, Cehia, Aprilie 2017
- Universitatea Basilicata, Potenza, Italia, Februarie 2018
- Universitatea Thessaly, Grecia, Karditsa, Iunie 2019
- Universitatea Stellenbosch, Africa de Sud, Iulie 2022
- Universitatea din Zvolen, Slovacia, Septembrie 2022
- Universitatea din Sopron, Ungaria, Octombrie 2022
- Universitatatea Abdelmalek Essaadi din Tetouan, Maroc, Februarie 2024

O sinteză a principalelor realizări:
- teza de doctorat - Contribuţii la optimizarea prelucrării lemnului de arin prin frezare şi şlefuire în vederea valorificării în producţia de mobilă, susținere 2008, titlul de Dr. în 13.01.2009, coordonator științific Prof. Dr. Ing. Cismaru Ivan
- nr capitole de cărți publicate în edituri internaționale - 5
- nr cărţi publicate în edituri naționale - 3
- nr lucrări indexate – 32 ISI din care 27 cu IF (din care 10 prim autor, 2 unic autor, 17 autor corespondent) și 5 Proceedings ISI (din care 3 prim autor, 5 autor corespondent)
- nr lucrări indexate - 29 din care 21 BDI (6 prim autor, 4 unic autor, 17 autor corespondent) și 8 CNCSIS B+(2 prim autor, 8 autor corespondent)
- nr lucrări în volumele conferințelor – 73 din care 67 internaționale (26 prim autor, 12 unic autor) și 6 naționale (1 prim autor, 1 unic autor, 5 autor corespondent)
- Anexa cuprinde lista de lucrări

Elemente de recunoaștere a contribuției științifice:
- membru în comitetul științific al unor reviste indexate: 2 ISI și 3 BDI
- editor invitat la 4 numere speciale de reviste ISI/MDPI
- co-editor al Seriei II a Buletinului Universității Transilvania
- membru în comitetul științific la10 conferințe internaționale
- recenzent la 21 reviste ISI, 6 reviste BDI și 10 conferințe internaționale
- membru în 4 COST Actions (perioada 2012-2018)

21.12. 2024 Conf.Dr.Ing. MANEA Emilia-Adela (SALCA)

ANEXĂ

LISTA DE LUCRĂRI

A. TEZA DE DOCTORAT

Salcă Emilia-Adela (2008). Contribuții la optimizarea prelucrării lemnului de arin prin frezare și șlefuire în vederea valorificării în producția de mobilă. Universitatea Transilvania din Brașov; Coordonator științific Prof. Dr. Ing. Cismaru Ivan **-** (titlul de Doctor obținut în 13.01.2009).
https://search.worldcat.org/title/1310203529
https://www.proligno.ro/ro/articles/2008/4/phd1.htm

Atestat de abilitare Nr. 5306/28.06.2024 in domeniul de studii universitare de doctorat Inginerie Forestiera; Titlu teză: ***Utilizarea și valorificarea resursei lemnoase locale în industria mobilei***.
Afiliere la SDI-UNITBV-Domeniul Inginerie Forestiera, Nr 521/21.11.2024.

C. CĂRȚI / CAPITOLE DE CĂRȚI

1. CISMARU, M., **SALCA, E.A**., POROJAN, M. (2004). Wooden Structures, Editura Universității Transilvania Braşov, 2004, ISBN 973-635-334-6, 148p.
   https://search.worldcat.org/title/895542315
   https://www.proligno.ro/ro/articles/2005/1/publications.htm
2. **SALCA, E**. (2010). Suport de curs-CD pentru IFR (specializarea IPL) – Structuri din lemn pentru mobilă, DIDIFR, ISBN 978-973-598-590-5, 138p.
3. **SALCA E.A**. (2016). Materiale tradiționale pentru industria lemnului. Editura Universității Transilvania din Brașov, ISBN 978-606-19-0763-2, 105p.
   https://search.worldcat.org/title/1288697182
   https://www.unitbv.ro/contact/comunitatea-unitbv/2097-salca-emilia-adela.html
4. **SALCA E.A**., BEKHTA P. (2021). Effects of Thermo-Mechanical Densification Applied to Veneers of Fast-Growing Species to Produce Value-Added Plywood Panels. Book Chapter in: Cutting-edge Research in Agricultural Sciences, Vol.9, p.161-177, ISBN 978-93-90888-75-7 (print), ISBN 978-93-90888-83-2 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/cras/v9/8628D. **Google Scholar index,**
   https://stm.bookpi.org/CRAS-V9/article/view/1462
   https://scholar.google.com/citations?view_op=view_citation&hl=en&user=blGdsPkAAAAJ&sortby=pubdate&citation_for_view=blGdsPkAAAAJ:fPk4N6BV_jEC
5. **SALCA E.A**. (2022). Selected Coating Properties of Black Alder Wood as a Function of Surface Preparation, Varnish Type, Coating System and Exposure Conditions. Book Chapter in: Recent Trends in Chemical and Material Sciences, Vol.5, p.69-90, ISBN 978-93-5547-420-9 (print), ISBN 978-93-5547-425-4 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/rtcams/v5/2305C. **Google Scholar index,**
   https://stm.bookpi.org/RTCAMS-V5/article/view/5351
   https://scholar.google.com/citations?view_op=view_citation&hl=en&user=blGdsPkAAAAJ&sortby=pubdate&citation_for_view=blGdsPkAAAAJ:dfsIfKJdRG4C

6. **SALCA E.A**. (2022). Overview on Organic and Inorganic Materials Used for Furniture and Its Decorations. Book Chapter in: Recent Trends in Chemical and Material Sciences, Vol.5, p.91-137, ISBN 978-93-5547-420-9 (print), ISBN 978-93-5547-425-4 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/rtcams/v5/2306C. **Google Scholar index,** https://stm.bookpi.org/RTCAMS-V5/article/view/5352, https://scholar.google.com/citations?view_op=view_citation&hl=en&user=blGdsPkAAAAJ&sortby=pubdate&citation_for_view=blGdsPkAAAAJ:4OULZ7Gr8RgC
7. **SALCA E.A**. (2023). Selected Properties of Wood-Based Panels as a Function of Raw Material, Applied Treatment and Exposure Conditions. Book Chapter in Advanced Research in Biological Science, Vol.2, p.41-73, ISBN 978-81-19491-40-7 (print), ISBN 978-81-19491-41-4 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/arbs/v2/6188C. **Google Scholar index,** https://stm.bookpi.org/ARBS-V2/article/view/11618 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=blGdsPkAAAAJ&sortby=pubdate&citation_for_view=blGdsPkAAAAJ:xtRiw3GOFMkC
8. **SALCA E.A**. (2023). Effects of Heat Treatment Applied to Wood and Veneers of Various Wood Species. Book Chapter in Advanced Research in Biological Science, Vol.2, p.74-101, ISBN 978-81-19491-40-7 (print), ISBN 978-81-19491-41-4 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/arbs/v2/6189C. **Google Scholar index,** https://stm.bookpi.org/ARBS-V2/article/view/11619 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=blGdsPkAAAAJ&sortby=pubdate&citation_for_view=blGdsPkAAAAJ:CHSYGLWDkRkC

D. ARTICOLE ÎN REVISTE

Articole în reviste indexate ISI

1. **SALCA, E.A**., HIZIROGLU, S. (2014). Evaluation of hardness and surface quality of different wood species as function of heat treatment, **Materials and Design,** Vol.62, p.416-423, October, 2014. DOI: 10.1016/j.matdes.2014.05.029, https://www.sciencedirect.com/science/article/abs/pii/S0261306914003987
   WOS:000340047400050, IF=3.171
2. **SALCA, E.A**., GOBAKKEN ROSS, L., GJERDRUM, P. (2015). Progress of discoloration in green, freshly cut veneer sheets of black alder (*Alnus glutinosa* L.) wood, **Wood Material Science and Engineering** Journal, vol 10, No.2, p.178-184. DOI: 10.1080/17480272.2014.929175, https://www.tandfonline.com/doi/abs/10.1080/17480272.2014.929175
   WOS:000368741700003, IF=0
3. MUSAT, E. C., **SALCA, E. A**., DINULICA, F., CIOBANU, V. D., DUMITRASCU, A. E. (2016). Evaluation of color variablility of oak veneers for sorting**, BioResources** 11(1), 573-584. DOI:10.15376/biores.11.1.573-584, https://bioresources.cnr.ncsu.edu/resources/evaluation-of-color-variablility-of-oak-veneers-for-sorting/
   WOS:000367732700047, IF=1.334
4. **SALCA, E.A**., KOBORI, H., INAGAKI, T., KOJIMA, Y., SUZUKI, S. (2016). Effect of heat treatment on colour changes of black alder and beech veneers, **Journal of Wood Science**, 62(4), 297-304.

DOI 10.1007/s10086-016-1558-3, https://jwoodscience.springeropen.com/articles/10.1007/s10086-016-1558-3
WOS:000380681000001, IF=1.268

5. **SALCA, E.A.,** KRYSTOFIAK, T., LIS, B., MAZELA, B., PROSZYK, S. (2016). Some coating properties of black alder wood as function of varnish type and applications method, **BioResources** 11(3), 7580-7594.DOI:10.15376/biores.11.3.7580-7594, https://bioresources.cnr.ncsu.edu/resources/some-coating-properties-of-black-alder-wood-as-a-function-of-varnish-type-and-application-method/
WOS:000384922400148, IF=1.334
6. DUMITRASCU, A.E., MUSAT, E.C., DUMITRASCU, D.I., CIOBANU, V.D., and **SALCA, E.A**. (2017). Influence of sessile oak log characteristics on the efficiency in veneer cutting, **BioResources** 12(2), 2579-2591, https://bioresources.cnr.ncsu.edu/resources/influence-of-sessile-oak-log-characteristics-on-the-efficiency-in-veneer-cutting/
WOS:000402883700025, IF=1.321
7. MUSAT, E.C., **SALCA, E.A**., CIOBANU, V.D., and DUMITRASCU, A.E. (2017). The influence of log defects on the cutting yield of oak veneer, **BioResources** 12(4), 7917-7930, https://bioresources.cnr.ncsu.edu/resources/the-influence-of-log-defects-on-the-cutting-yield-of-oak-veneer/
WOS:000422879900074, IF=1.321
8. **SALCA, E.A.,** KRYSTOFIAK, T., LIS, B. (2017). Evaluation of selected properties of alder wood as functions of sanding and coating, **Coatings** 7(10), 176. doi:10.3390/coatings7100176, https://www.mdpi.com/2079-6412/7/10/176
WOS:000414849800025, IF=2.175
9. SCRIBA, C., MUSAT E.C., **SALCA, E.A**., CIOBANU, V.D. (2017). Influence of Energy Willow Crops on Soil Features in the Case of a Contaminated Land, **Journal of Environmental Protection and Ecology** 18(4), 1403-1410.
https://scibulcom.net/en/journal/1311-5065/issue/2017-18-4/
https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=ye2BGkYAAAAJ&sortby=pubdate&citation_for_view=ye2BGkYAAAAJ:3fE2CSJIrl8C
WOS:000423283800012, IF=0.774
10. BEKHTA, P., **SALCA, E.A.** (2018). Influence of veneer densification on the shear strength and temperature behavior inside the plywood during hot press, **Construction and Building Materials** 162, 20-26. https://doi.org/10.1016/j.conbuildmat.2017.11.161, https://doi.org/10.1016/j.conbuildmat.2017.11.161
https://www.sciencedirect.com/science/article/abs/pii/S0950061817323802?via%3Dihub
WOS:000425564400003, IF=3.169
11. DUMITRASCU, A.E., **SALCA, E.A**., MIHAIL, L.A., CIOBANU, V.D., and MUSAT, E.C. (2018). Inferential statistics of *Quercus* species in veneer cutting, **BioResources** 13(3), 6766-6777. doi: 10.15376/biores.13.3.6766-6777, https://bioresources.cnr.ncsu.edu/resources/inferential-statistics-of-quercus-species-in-veneer-cutting/
WOS:000440506300140, IF=1.321

12. **SALCA, E.A.** (2019). Black Alder (*Alnus glutinosa* L.) – A resource for value-added products in furniture industry under European screening, **Current Forestry Reports** 5(1), 41-54. DOI: 10.1007/s40725-019-00086-3, https://link.springer.com/article/10.1007/s40725-019-00086-3
WOS:000459433700003, IF=4.972
13. **SALCA, E.A**., HIZIROGLU, S. (2019). Hardness and roughness of overlaid wood composites exposed to a high-humidity environment, **Coatings,** 9(11), 711, DOI:10.3390/coatings9110711, https://www.mdpi.com/2079-6412/9/11/711
WOS:000502298300021, IF=2.436
14. **SALCA, E.A** (2019). Assessment of the Processing Roughness of Black Alder Surfaces. **Sigma Journal of Engineering and Natural Sciences**, 10 (1), 47-53. https://eds.yildiz.edu.tr/sigma/ContentDetails?Volume=10&IssueNumber=1
WOS:000522758100006, IF=0
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