

INFORMAȚII PERSONALE

ALINA ADRIANA MINEA



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Naționalitatea română

EXPERIENȚA PROFESIONALĂ

16/02/2018–Prezent

Director Consiliu de coordonare a Studiilor doctorale Facultatea Stiinta si Ingineria Materialelor

05/07/2016–16/02/2018

Director Scoala Doctorala S.I.M.
Universitatea Tehnica "Gh. Asachi" din Iasi

01/10/2014–Prezent

profesor universitar
Universitate Tehnica "Gheorghe asachi" din Iasi, Iasi (România)

01/03/1998

asistent universitar, sef de lucrari, conferentiar universitar
Universitatea Tehnica Gheorghe Asachi din Iasi
Bd. D. Mangeron 63, IASI (România)
invatamant, cercetare

Tipul sau sectorul de activitate Educatie-cercetare

01/10/1995–28/02/1998

inginer in cercetare proiectare
SC INTEC SA Bucuresti, filiala Iasi
design, research

Tipul sau sectorul de activitate cercetare dezvoltare

EDUCAȚIE ȘI FORMARE

01/10/1989–15/07/1994

inginer
Universitatea Tehnica Gheorghe Asachi din Iasi
stiinta aplicata in tratamente termice si deformare plastica

01/10/1994–15/06/1995

Seminarul Pedagogic
Universitatea Tehnica Gheorghe Asachi din Iasi, Iasi (România)

01/10/1994–15/07/1995

master in Ingineria Suprafetelor
Universitatea Tehnica Gheorghe Asachi din Iasi
stiinte aplicate in Ingineria Suprafetelor

01/10/1994–25/05/2000

diploma doctorat
Universitatea Tehnica Gheorghe Asachi din Iasi

titlul de doctor

- 01/02/1996–15/02/1996 **diploma instruire program Auto Cad**
Auto Desk Center
utilizator programe specifice de design
- 01/10/2006–15/07/2007 **master in Securitate si Sanatate in Munca**
Universitatea Tehnica Gheorghe Asachi din Iasi
cunoasterea legislatiei de sanatate si securitate in munca
evaluari de risc
- 20/02/2007–15/06/2007 **Diploma curs evaluatori de risc in SSM**
Universitatea Tehnica Gheorghe Asachi din Iasi
evaluator riscuri securitatea muncii
- 01/04/2008–08/04/2008 **Diploma training Fluent**
TENSOR SRL
utilizator avansat programe de simulare in suita Fluent
- 01/01/2013–16/09/2013 **certificat de abilitare**
Domeniul ingineria materialelor: tehnici de intensificare a transferului termic

COMPETENȚE PERSONALE

Limba(i) maternă(e) română

Limbile străine

	ÎNȚELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
engleză	C2	C2	C2	C2	C2
franceza	B1	B2	B1	A2	A2

Niveluri: A1 și A2: Utilizator elementar - B1 și B2: Utilizator independent - C1 și C2: Utilizator experimentat
Cadrul european comun de referință pentru limbi străine

Competențe de comunicare Spiritul de echipă;
Capacitate de adaptare la medii multiculturale, obținută prin experiența stagiilor de cercetare - documentare în străinătate;
O bună capacitate de comunicare, obținută ca urmare a experienței didactice

Competențe organizaționale/manageriale Leadership (conducator) (prin munca de coordonare în echipe largi pentru propuneri de proiecte);
Spirit organizatoric
Experiență bună a managementului de proiect

Competențe dobândite la locul de muncă O bună cunoaștere a proceselor de control al calității în învățământ-cercetare (am făcut parte din multe echipe de evaluare)

Competențele digitale

AUTOEVALUARE

Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat

Competențele digitale - Grilă de auto-evaluare

foarte buna cunoastere a programelor Microsoft Office™ tools (Word™, Excel™ and PowerPoint™); programe CFD (Fluent Ansys)

Permis de conducere B

INFORMAȚII SUPLIMENTARE

1. Experiență internațională:

Aprilie 2016- Aprilie 2020: Dissemination Manager COST Action CA 15119: Overcoming Barriers to Nanofluids Market Uptake (NANO-UPTAKE), COST_ Horizon 2020

Aprilie 2016- Aprilie 2020: Membru în Management Committee COST Action CA 15119: Overcoming Barriers to Nanofluids Market Uptake (NANO-UPTAKE) Membru in Management Committee and Dissemination Manager: 2016, COST_ Horizon 2020

Octombrie 2019 – Octombrie 2023: Membru în Management Committee COST Action CA18234 - Computational materials sciences for efficient water splitting with nanocrystals from abundant elements, COST_ Horizon 2020

Octombrie 2019 – Octombrie 2023: Membru în Management Committee COST Action CA18202 - Network for Equilibria and Chemical Thermodynamics Advanced Research, COST_ Horizon 2020

2. Afilierea la societăți profesionale,

- membru din 2004 în AGIR, ID no. 59980
- membru din 2005 în INWES (International Network of Women in Engineering), ID no. IND093
- membru din 2004 în EuMat.
- membru din 2006 în AdAstra.
- membru din 2007 în ASME International, ID no. 9543307
- membru din 2014 în ASTFE (American Society of Thermal and Fluids Engineers)

3. Membru in Editorial Boards

- SCOPUS / Web of Science indexed journals:

- Membru in Editorial Board ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Fascicle XII, WELDING EQUIPMENT AND TECHNOLOGY:

<http://www.if.ugal.ro/editorialBoard.htm>

- Membru in Regional Editorial Board Journal of Thermal Sciences(IF 1.541):

<http://thermalscience.vinca.rs/Editorial>

- Guest Editor in chief IREME – Special Issue on Heat Transfer 2010, 2011, 2012 and 2013:

http://www.praiseworthyprize.com/special_issues.htm

- Guest Editor in Chief Special Issue "Future and Prospects in Nanofluids Research" in Nanomaterials journal: https://www.mdpi.com/journal/nanomaterials/special_issues/future_prospects_nanofluids

- Membru in Editorial Board Thermal Science and Engineering Progress (Elsevier):

<https://www.journals.elsevier.com/thermal-science-and-engineering-progress/editorial-board>

- Associate Editor, Journal of Thermal Science (Springer, IF 1.228):

<https://www.springer.com/physics/classical+continuum+physics/journal/11630?detailsPage=editorialBoard>

- Membru Reviewer Board Micromachines, MDPI, FI 2.426:

https://www.mdpi.com/journal/micromachines/submission_reviewers

- Membru in Editorial Board International Journal of Thermophysics (SPRINGER), IF 0.853,

<https://www.springer.com/journal/10765>

- alte reviste

- Editor in chief IREHeat: <http://www.praiseworthyprize.com/ireheat.htm>

- Membru in Editorial Board International Journal of Green Technology, <https://ijgtech.com/editorial-board/>

- Editor-in-chief International Journal of Metallurgical Engineering from 2012:

<http://www.sapub.org/journal/editorialboard.aspx?JournalID=1063>

- Membru in Editorial Board MEHTA Press: Journal of Engineering, from 2010:

<http://www.mehtapress.com/joe-editorial.html>

- Membru in Editorial Board International Scientific Press: Journal of Computations and Modeling, from 2010:

http://www.scienpress.com/journals/jcm/jcm_editorial.html

- Membru in Editorial Board Journal of Metallurgical Engineering:

<http://www.me-journal.org/EditorialBoard.aspx>

- Membru in Editorial Board International Journal of Advanced Thermofluid Research (IJATR):

http://ijatr.org/index.php?option=com_content&view=article&id=19&Itemid=63

- Membru in Editorial Board British Journal of Engineering and Technology (BJET), from 2012:

<http://www.bjet.baar.org.uk/Editorial-Board.html>

- Membru in Editorial Board International Journal of Energy and Environment from 2012:

<http://www.naun.org/wseas/cms.action?id=3043>

- Membru in Editorial Board International Journal of Mechanics from 2012:

<http://www.naun.org/wseas/cms.action?id=2828>

- Membru in Editorial Board American Journal of Energy Engineering from 2013:

<http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=168>

- Membru in Editorial Board American Journal of Heat and Mass Transfer from 2013:

<http://ajhmt.uscip.us/EditorialBoard.aspx>

- Membru in Editorial Board Hindawi: Advances in Mathematical Physics, Special issue Micro/Nanoscale Fluid Flow and Heat transfer in 2014-2015:

<http://mts.hindawi.com/guest.editor/journals/amp/mina/>

- Membru Editorial Board International Journal of Green technology: <https://ijgtech.com/editorial-board/>

- International Journal of Nanoparticles and Nanotechnology:

<https://www.vibgyorpublishers.org/journals/reviewer-board.php?id=iinn>

- Membru Editorial Board ACCOUNTS OF ANALYTICAL CHEMISTRY RESEARCH:
<https://www.theamph.com/editorial-board-aacr.html>

- Membru Editorial Board Insight Physics:
<http://insight.piscomed.com/index.php/IP/about/editorialTeam>

4. Chairman la evenimente internaționale:

- chairmen session U.2.4. HEAT AND MASS TRANSFER, Conference ASME-ATI-UIT: Thermal and Environmental Issues in Energy Systems 2010, may 2010, Sorrento, Italy: <http://www.ichmt.org/asme-ati-uit-10/images//program.pdf>

- chairman session G: Mechanical Equipment Design and Analysis, Conference IManE 2013, 22-24 May 2013, Iasi, Romania: <http://2013.imane.ro/conference-program/>

- chairman session G: Mechanical Equipment Design and Analysis, Conference IManE 2014, 29-30 May 2014, Chisinau, Rep. Moldova: <http://2014.imane.ro/conference-program/>

- chairmen session M1.3. Single phase heat transfer, Conference ASME-ATI-UIT: Thermal Energy Systems: Production, Storage, Utilization and the Environment 2015, may 2015, Naples, Italy: <http://www.asmeatiuit2015.com/public/index.php?node=63&nm=Conference+Program>

- chairmen session M1.4. Heat exchangers, Conference ASME-ATI-UIT: Thermal Energy Systems: Production, Storage, Utilization and the Environment 2015, may 2015, Naples, Italy: <http://www.asmeatiuit2015.com/public/index.php?node=63&nm=Conference+Program>

- chairman session A2: Heat exchanger, Conference ISTP26, september 2015, Leoben, Austria: http://www.istp26.at/media/Detailed_Program_neu_8.pdf

- chairman session A3: Heat transport technology, Conference ISTP26, september 2015, Leoben, Austria: http://www.istp26.at/media/Detailed_Program_neu_8.pdf

- chairman session C6: Micro and nano scale transport, Conference ISTP26, september 2015, Leoben, Austria: http://www.istp26.at/media/Detailed_Program_neu_8.pdf

- chairman Session E: Physical & Mechanical Metallurgy. Materials, Conference ICMM 2016, Sofia, Bulgaria, <http://icmm2016.com/conference/program/>

- chairman Conference of PHD School, Technical University "Gh. Asachi" Iasi 2017

- chairman Session 1 (Renewable energy) IAPE 2019: http://iape-conference.org/Downloads/IAPE_Program.pdf

- chairman Session 2 (Green energy) IAPE 2019: http://iape-conference.org/Downloads/IAPE_Program.pdf

- chairman session no. S6: Numerical Simulation on the Microscopic and Macroscopic Levels, ICNF 2019, Spania: <https://www.icnf2019.com/index.php/program/program>

5. Organizator al evenimentelor internaționale:

2010: Summer School on ADVANCES IN HEAT TRANSFER ENHANCEMENT: FROM BASIC TO NANO: <http://www12.tuiasi.ro/facultati/sim/index.php?page=413>

2012: Summer School on ADVANCES IN HEAT TRANSFER ENHANCEMENT: FROM BASIC TO NANO, 2-nd edition: <http://www12.tuiasi.ro/facultati/sim/index.php?page=413>

2014: Summer School on ADVANCES IN HEAT TRANSFER ENHANCEMENT: FROM BASIC TO NANO, 3-rd edition: <http://www12.tuiasi.ro/facultati/sim/index.php?page=413>

2016: Summer School on ADVANCES IN HEAT TRANSFER ENHANCEMENT: FROM BASIC TO NANO, 4-th edition: <http://www12.tuiasi.ro/facultati/sim/index.php?page=413>

6 Membru în International Committee la diferite conferințe

- SOLARIS 2011: <http://www.fce.vutbr.cz/pst/solaris/committee.html>

- SUSTEM 2011:

http://research.ncl.ac.uk/pro-tem/components/pdfs/SusTEM_proceedings/SusTEM2011_proceedings.pdf

- 10th IASME/WSEAS International Conference on FLUID MECHANICS & AERODYNAMICS (FMA '12), Istanbul, Turkey: <http://www.wseas.org/cms.action?id=1362>

- 10th IASME/WSEAS International Conference on HEAT TRANSFER, THERMAL ENGINEERING and ENVIRONMENT (HTE '12), Istanbul, Turkey: <http://www.wseas.org/cms.action?id=901>

- 5th WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS '12), Vienna, Austria: <http://www.wseas.org/cms.action?id=1125>

- 8th WSEAS International Conference on Applied and Theoretical Mechanics (MECHANICS '12), Montreux, Switzerland: <http://www.wseas.org/cms.action?id=556>

- 10th WSEAS International Conference on Environment, Ecosystems and Development (EED '12), Montreux, Switzerland: <http://www.wseas.org/cms.action?id=627>

- 7th IASME/WSEAS International Conference on WATER RESOURCES, HYDRAULICS & HYDROLOGY (WHH '12), Kos, Greece: <http://www.wseas.org/cms.action?id=1759>

- 3rd European Conference of Mechanical Engineering Paris, France - ECME '12 : <http://www.naun.org/cms.action?id=980>

- 3rd European Conference of Control, Paris, France - ECC '12: <http://www.naun.org/cms.action?id=399>

- 5th WSEAS International Conference on FINITE DIFFERENCES - FINITE ELEMENTS - FINITE VOLUMES - BOUNDARY ELEMENTS (F-and-B '12) WSEAS Praga 2012: <http://www.wseas.us/conferences/2012/prague/f-and-b/#committee>

- 11th WSEAS International Conference on Fluid Mechanics & Aerodynamics, FMA 2013, Vouliagmeni, Athens, Greece, <http://www.wseas.org/cms.action?id=2498>

- 11th WSEAS International Conference on Environment, Ecosystems and Development, EED 2013, Brasov, Romania: <http://www.wseas.org/cms.action?id=3794>

- 1st International Conference on Computational and Experimental Mechanics, CEM 2013, Dubrovnik, Croatia: <http://naun.org/cms.action?id=4215>

- 6th WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems, Brasov, Romania - MEQAPS '13: <http://www.wseas.org/cms.action?id=3694>

- 7th WSEAS International Conference on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS, CSST 2013, Milan, Italy: <http://www.wseas.org/cms.action?id=329>

- 13th WSEAS International Conference on Multimedia Systems & Signal Processing, Kuala Lumpur - MUSP '13: <http://www.wseas.org/cms.action?id=3356>

- 9th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development Lemesos - EEESD '13: <http://www.wseas.org/cms.action?id=3053>
- 1st WSEAS International Conference on Industrial and Manufacturing Technologies Vouliagmeni - INMAT '13: <http://www.wseas.org/cms.action?id=2611>
- 1st WSEAS International Conference on Aeronautical and Mechanical Engineering, Vouliagmeni - AEME '13: <http://www.wseas.org/cms.action?id=2645>
- 11th WSEAS International Conference on Heat Transfer, Thermal Engineering and Environment Vouliagmeni - HTE '13: <http://www.wseas.org/cms.action?id=2543>
- 2nd International Conference on Networks and Systems for Communications, Education and Data Processing, Iwate - NSCED '13: <http://naun.org/cms.action?id=2998>
- 2nd International Conference on Applied Manufacturing, Commerce, Tourism and Services, Baltimore - MCTS '13: <http://naun.org/cms.action?id=5244>
- 1st WSEAS International Conference on Mechanical and Robotics Engineering Vouliagmeni - MREN '13: <http://www.wseas.org/cms.action?id=2628>
- 1st International Conference on Computational Science and Engineering, Valencia - CSE '13: <http://naun.org/cms.action?id=5108>
- 4th International Conference on Fluid Mechanics and Heat & Mass Transfer, Dubrovnik - FLUIDSHEAT '13: <http://naun.org/cms.action?id=4261>
- 4th International Conference on Theoretical and Applied Mechanics, Cambridge, USA - TAM '13: <http://www.naun.org/cms.action?id=2199>
- 1st International Conference on Monitoring and Management of Air Pollution Rhodes - MMAP '13: <http://naun.org/cms.action?id=4556>
- 2013 Winter International Conference of Mining and Metallurgical Engineering (WICMME2013), December 2013, Sanya, China: <http://www.wicmme.org/Organizing.aspx>
- Conference IManE 2014, 27-30 May 2014, Chisineu, Moldavia: <http://www.imane.ro/conference-committees/>
- 5th International Conference on Fluid Mechanics and Heat & Mass Transfer, Lisbon, Fluidsheat 2014: <http://naun.org/cms.action?id=7823>
- 2nd International Conference on Computational and Experimental Mechanics, Florence, CEM 2014, <http://naun.org/cms.action?id=8043>
- 12th International Conference on Heat Transfer, Thermal Engineering and Environment, Geneva, THE 2014: <http://wseas.org/cms.action?id=8446>
- 12th International Conference on Fluid Mechanics & Aerodynamics, Geneva, FMA 2014: <http://www.wseas.org/cms.action?id=8427>
- International Conference on Computer and Systems Engineering Applications, CCSE 2014, 25-26 april Dubai: <http://conferences.standard.org/dubai/ccse/com.html>
- Conference IManE 2015, 21-22 May 2015, Iasi, Romania: <http://www.imane.ro/conference-committees/>

- International conference TEME 2015, Galati, Romania: <http://www.teme.ugal.ro/committee.html>
- ISTEP 26, Leoben, Austria: <http://www.istp26.at/en/organizing-committee/>
- SUSTEM 2015, Newcastle, UK:
<http://research.ncl.ac.uk/sustem/sustem2015conference/scientificcommittee/>
- 2015 International Conference on Systems Engineering and Computational Advances, 29-30 may 2015, China: <http://icseca.aconf.org/en-us/committee.html>
- HTE '15: 13th International Conference on Heat Transfer, Thermal Engineering and Environment, Salerno Italy, <http://www.wseas.org/cms.action?id=9759>
- FMA '15, 13th International Conference on Fluid Mechanics & Aerodynamics, Salerno, Italy, <http://wseas.org/cms.action?id=9604>
- Rome - CM '15, 9th International Conference on Continuum Mechanics, Italy, <http://www.wseas.org/cms.action?id=10141>
- Budapest - FLUIDS '15, 11th International Conference on Fluid Mechanics, <http://wseas.org/cms.action?id=10586>
- Budapest - HMT '15, 11th International Conference on Heat and Mass Transfer, <http://www.wseas.org/cms.action?id=10600>
- 2015 International Conference on Power, Energy Engineering and Management (PEEM2015) December 20-21, 2015, Phuket, Thailand: <http://www.peem2015.org/com.htm>
- Budapest - EE '15, 10th International Conference on Energy & Environment <http://www.wseas.org/cms.action?id=10628>
- 7th international conference on fluid mechanics and heat & mass transfer, Praga, 2016: <http://naun.org/cms.action?id=11302>
- IMANE 2016, September 23-25, 2016 Kallithea Chalkidiki, Greece: <http://www.imane.ro/conference-committees/>
- 14th International Conference on Fluid Mechanics & Aerodynamics (FMA '16), Indonesia 2016: <http://wseas.org/cms.action?id=11592>
- 14th International Conference on Heat Transfer, Thermal Engineering and Environment (HTE '16), Indonesia: <http://www.wseas.org/cms.action?id=11606>
- 7 th edition of INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE & ENGINEERING, UgalMat 2016, MAY 19 - 21, 2016, GALATI, ROMANIA: <http://www.ugalmat.ugal.ro/>
- IMEIA 2016 Phuket, Thailand, 24-25 aprilie 2016: <http://www.imeia2016.org/pub.htm>
- ECTE 2016, Thailand 28-29 august, 2016: <http://www.ecte2016.org/com.htm>
- The International Conference on Metallurgy & Materials (ICMM'16), Sofia, September 26 – 28, 2016: <http://icmm2016.com/organizers/conference-committee/>
- 11th European Conference on Industrial Furnaces and Boilers, Portugal, 18-21 April 2017: <http://infub.pt/geral/paginas.aspx?cod=105>

- The 7th International Symposium on Advances in Computational Heat Transfer, CHT-17, Napoli, Italy, during 28 May - 02 June 2017, <http://ichmt.org/site/4/cht-17>
- The 2017 International Conference on Advanced Technologies Enhancing Education (ICAT2E2017), which will be held on March 18-20, 2017 in Qingdao, China, <https://icat2e.jimdo.com/>
- The 21th edition of IManEE 2017 International Conference, May 25-26, 2017 Iasi, Romania: <http://www.imane.ro/committees/>
- TEME 2017: New trends in environmental and materials engineering, Galati, ROMANIA, 25-27 october: <http://www.teme.ugal.ro/committee.php>
- European Symposium on Nanofluids (ESNf) Lisbon, Portugal, 8-10 October 2017, <http://esnf2017.campus.ciencias.ulisboa.pt/committees/>
- ICPM 2017: 9TH International congress on precision machining, 6 - 9 september 2017, Athens, Greece: <http://www.icpm2017.gr/#committees>
- Venice - FLUIDSHEAT '17: 8th International Conference on Fluid Mechanics and Heat & Mass Transfer (FLUIDSHEAT '17), <http://wseas.org/cms.action?id=14174>
- TULasi, First conference of Doctoral Schools, mai 2017, Iasi, Romania
- INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, 5 - 7 OCTOBER, 2017 / ANKARA – TURKEY: <http://ancongress.com/main/c/20172/en>
- 2nd Renewable Energy Sources - Research and Business (RESRB) 2017 conference, June 19-21, Wrocław, Poland: https://works.bepress.com/wojciech_budzianowski/46/
- International Conference on Energy Management and Environmental Protection, Belek, Antalya, Turkey in February 1-4, 2018: <http://www.icemep.org/committees.html>
- First International Conference on Energy Systems Engineering, (ICESE'17) 2017, Turcia, november 2017, <http://icese17.com/22-2/>
- 13th International Conference on Heat and Mass Transfer (HMT '17), in Rome 2017, 15-17 decembrie: <http://wseas.org/cms.action?id=15615>
- 13th International Conference on Fluid Mechanics (FLUIDS '17), in Rome 2017, 15-17 decembrie, <http://www.wseas.org/cms.action?id=15606>
- International Conference on Energy Management and Environmental Protection, Belek, Antalya, Turkey in February 1-4, 2018: <http://www.icemep.org/committees.html>
- 12th International Conference on Continuum Mechanics (CM '18): <http://wseas.org/cms.action?id=17617>
- 18th International Conference on Multimedia Systems & Signal Processing (MUSP '18): <http://www.wseas.org/cms.action?id=16897>
- 16th International Conference on Fluid Mechanics & Aerodynamics (FMA '18); <http://wseas.org/cms.action?id=17843>
- 16th International Conference on Heat Transfer, Thermal Engineering and Environment (HTE '18): <http://wseas.org/cms.action?id=17873>
- 1ST INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING AND TECHNOLOGY (ICAET), <http://www.kuicaet.com/committee.html>
- SCIENTIFIC COMMITTEE OF THE 2nd INTERNATIONAL SYMPOSIUM CIMEE'2018; <https://c-e-science.jimdo.com/comit%C3%A9-scientifique/>
- 9th International Conference on Fluid Mechanics and Heat & Mass Transfer (FLUIDSHEAT '18):

<http://www.wseas.org/cms.action?id=16827>

- UGalMat 2018: <http://www.ugalmat.ugal.ro/Committees.html>

- membru in Scientific Advisory Board (SAB) pentru conference RESRB 2018 – Belgium:
<http://resrb.budzianowski.eu/call-for-abstracts-materials-for-download/>

- 9th International Conference on Theoretical and Applied Mechanics (TAM '18):
<http://www.wseas.org/cms.action?id=17929>

- 14th International Conference on Fluid Mechanics (FLUIDS '18):
<http://wseas.org/cms.action?id=18719>

- 22-nd Thermal Science and Technology Congress 2019:
<http://ctst2019.kocaeli.edu.tr/committees.php>

- ICNF 2019: <http://icnf2019.com/index.php/committees/scientific-committee>

-3rd INTERNATIONAL ENGINEERING RESEARCH SYMPOSIUM (INERS'19) 5-7 SEPTEMBER 2019, <http://umas.duzce.edu.tr/Sayfa.aspx?id=7>

-The Third International Conference on Materials Chemistry and Environmental Protection (MCEP2019) November 23-25, 2019 in Xiamen, China: <http://www.icmeep.org/Committee.aspx>

- The 23rd edition of IManEE 2019 International Conference May 22 – 24, 2019 Pitesti, Romania:
<http://www.imane.ro/committees/>

- Athens - FLUIDS '19, 15th International Conference on Fluid Mechanics (FLUIDS '19):
<http://wseas.org/cms.action?id=21192>

- 15th International Conference on ENERGY & ENVIRONMENT (EE '20), Vienna, Austria, December 19-21, 2020

- International Conference on Materials Science, Verona, Italia, 28-30 oct 2020: <https://www.3d-icomas-verona.org/>

- 3rd World Conference on Analytical & Bio-analytical Chemistry, 16-17 Iulie 2020:
<https://www.scientificfederation.com/wcab-2020/committee.php>

7. Distinctii, premii

-anul 1989:

Mentione la Seminarul Stiintific Studentesc cu tema “ Chimia – fundament al stiintei materialelor”

- anul 2008:

- Diploma de excelență și Medalia de Aur la Salonul Internațional de Inventică PRO INVENT ediția a VI-a 2008, Cluj Napoca pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment.

- Medalia de argint la Salonul Archimed 2008, Moscova, Rusia, 1.04-4.04.2008 pentru inventia: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment.

- Diploma de excelență și Medalia de bronz INVENTICA 2008 la Salonul Internațional jubiliar al cercetării, invențiilor și transferului tehnologic INVENTICA 2008 14-24 mai 2008, Iași pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment.

- Medalia de aur la Salonul Internațional de la Sevastopol 2008 25-27 aug 2008, pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment

- Diploma de excelență și Medalia de argint la Salonul Internațional de la Sevastopol 2008 24-28 sept 2008, pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for

medium temperature heat treatment

- Diploma de excelență și Medalia TESLA la Festivalul Internațional de Inovare, cunoaștere și creație de la Novi Sad, 2008 oct 2008, pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment:

- Diploma de excelență și Medalia de bronz INVENTIKA 2008 la Salonul Internațional jubiliar al cercetării, invențiilor și transferului tehnologic INVENTIKA 2008 7-11 oct 2008, București pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment: <http://www.mct.ro/index.php?action=viewart&artid=1885&idcat=641>

- Diploma de excelență pentru contribuția la stimularea și promovarea creativității și Medalia de bronz la Salon des innovations, des recherches et des nouvelles technologies BRUSSELS EUREKA 13 nov 2008, Banja Luka Bruxelles pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment:

- anul 2009:

- Diploma de excelență și medalie de bronz la Expoziția Internațională INFOINVENT 24-27 nov 2009, Chișinău, Rep. Moldova, pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment:

- Medalie de aur la Expoziția Internațională de invenții, cercetare științifică și tehnologii noi, INVENTIKA 28-31 oct 2009, București, România, pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment

- anul 2010:

- Medalie de aur la Salonul Internațional de invenții "International salon of Inventions and new technologies NEW TIME", Sevastopol, Ucraina (23-25 sept. 2010) pentru invenția: "Procedure for heat transfer enhancement in oval electrical furnaces used for medium temperature heat treatment".

- anul 2011:

- Medalie de bronz la Salonul Internațional de invenții EUROINVENT (14 may 2011) pentru invenția: "Procedure for heat transfer enhancement in oval electrical furnaces used for medium temperature heat treatment".

- 2013

- Medalie de argint la Salonul internațional de invenții PROINVENT, 2013, Cluj Napoca pentru invenția "Procedure for heat transfer enhancement in oval electrical furnaces used for medium temperature heat treatment"

- BEST REVIEWER for 2012, Journal Applied Energy, ELSEVIER

-premiile CNCSIS pe articole:

1. CORRELATION BETWEEN ALUMINIUM ALLOYS PLASTICITY AND HEAT TREATING TECHNOLOGY:

http://www.cncsis.ro/PNCDI%20II/Resursa%20umana/Premiere/Feb08/REZULTATE_PREMIERE_FEBRUARIE%202008.pdf

2. CFD SIMULATION IN AN OVAL FURNACE WITH VARIABLE RADIATION PANELS:

http://www.cncsis.ro/PNCDI%20II/Resursa%20umana/Premiere/August08/REZULTATE_PREMIERE_AUGUST%202008.pdf

3. ANALYTICAL APPROACH TO ESTIMATE THE AIR FLOW RATE IN THE BOUNDARY LAYER OF A HEATED FURNACE WALL

http://www.cncsis.ro/PNCDI%20II/Resursa%20umana/Premiere/August08/REZULTATE_PREMIERE_AUGUST%202008.pdf

4. REDUCING OXIDE LAYER ON ALCU₂,5MG TREATED PARTS THROUGH IMPROVING HEAT TRANSFER

http://www.cncsis.ro/PNCDI%20II/Resursa%20umana/Premiere/August08/REZULTATE_PREMIERE_AUGUST%202008.pdf

5. SAVING ENERGY THROUGH IMPROVING CONVECTION IN A CLASSIC HEAT TREATMENT

FURNACE

http://www.cncsis.ro/PNCDI%20II/Resursa%20umana/Premiere/Oct08/REZULTATE_PREMIERE_OCTOMBRIE_2008.pdf

6. STUDIES ON HEAT TREATMENT OF AN ALCU4MG1 ALLOY

http://www.cncsis.ro/PNCDI%20II/Resursa%20umana/Premiere/Oct08/REZULTATE_PREMIERE_OCTOMBRIE_2008.pdf

7. EXPERIMENTAL TECHNIQUE FOR SAVING ENERGY IN OVAL FURNACES

[http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE\(1\).pdf](http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE(1).pdf)

8. TECHNIQUES FOR INTENSIFYING HEAT TRANSFER: FROM BASICS TO NANOFUIDS

[http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE\(1\).pdf](http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE(1).pdf)

9. ACTIVE TECHNIQUES FOR IMPROVING HEAT TRANSFER

[http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE\(1\).pdf](http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE(1).pdf)

10. STUDIES ON A COST-EFFICIENT TECHNIQUE FOR INCREASING FURNACES ENERGY EFFICIENCY. ENVIRONMENTAL ASPECTS

[http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE\(1\).pdf](http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE(1).pdf)

11. ANALYSIS AND FORECASTING OF NONRESIDENTIAL ELECTRICITY CONSUMPTION IN ROMANIA

[http://cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202010/ARTICOLE%202010_15%20OCTOMBRIE%20\(Autosaved\)4martie.pdf](http://cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202010/ARTICOLE%202010_15%20OCTOMBRIE%20(Autosaved)4martie.pdf)

12. INVESTIGATIONS ON ELECTRICAL CONDUCTIVITY OF STABILIZED WATER - AL₂O₃ NANOFUIDS

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/articole%202012/rezultate%20noiembrie%202012.pdf

13. Electrical and Rheological Behavior Of Stabilized Al₂O₃ Nanofluids,

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%20%20REALIZATA%2018%20DECEMBRIE%20CAROLINA.pdf

14. Effect of microtube length on heat transfer enhancement of an water/Al₂O₃ nanofluid at high Reynolds numbers,

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%20%20REALIZATA%2018%20DECEMBRIE%20CAROLINA.pdf

15. Uncertainties in modeling thermal conductivity of laminar forced convection heat transfer with water alumina nanofluids

[http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202014/Lista%201_REZULTATE%20-%20ACTUALIZATA\(1\).pdf](http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202014/Lista%201_REZULTATE%20-%20ACTUALIZATA(1).pdf)

16. Simulation of Nanofluids Turbulent Forced Convection at High Reynolds Number: A Comparison Study of Thermophysical Properties Influence on Heat Transfer Enhancement

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate%20evaluare_lista%201_12_11_2015.pdf

17. Numerical studies on heat transfer enhancement in different closed enclosures heated

symmetrically

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate%20evaluare_lista%2012_11_2015.pdf

18. A REVIEW ON ANALYTICAL TECHNIQUES FOR NATURAL CONVECTION INVESTIGATION IN A HEATED CLOSED ENCLOSURE Case Study

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate%20evaluare_lista%2012_11_2015.pdf

19. Numerical studies on heat transfer enhancement and synergy analysis on few metal oxide water based nanofluids

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate%20evaluare_lista%2012_11_2015.pdf

20. Challenges in hybrid nanofluids behavior in turbulent flow: Recent research and numerical comparison

<https://uefiscdi.ro/premierea-rezultatelor-cercetarii-articole>

21. Hybrid nanofluids based on Al₂O₃, TiO₂ and SiO₂: numerical evaluation of different approaches

<https://uefiscdi.ro/premierea-rezultatelor-cercetarii-articole>

22. A numerical study on ZnO based nanofluids behavior on natural convection

<https://uefiscdi.ro/premierea-rezultatelor-cercetarii-articole>

23. A review on development of ionic liquid based nanofluids and their heat transfer behavior, <https://uefiscdi.ro/resource-84127>

24. Properties of glycerol and ethylene glycol mixture based SiO₂-CuO/C hybrid nanofluid for enhanced solar energy transport <https://uefiscdi.ro/resource-84127>

25. Influence of hybrid nanofluids on the performance of parabolic trough collectors in solar thermal systems: Recent findings and numerical comparison

<https://uefiscdi.ro/resource-84127>

26. A numerical approach in describing ionanofluids behavior in laminar and turbulent flow: <https://uefiscdi.ro/resource-84127>

27. Viscosity estimation of Al₂O₃, SiO₂ nanofluids and their hybrid: an experimental study: <https://uefiscdi.ro/resource-84127>

-premiu CNCSIS pe brevete:

1. PROCEDEU DE EFICIENTIZARE A PROCESELOR DE TRANSFER TERMIC IN CADRUL CUPTOARELOR ELECTRICE CLASICE

[http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/BREVETE%202009/REZULTATE_BREVE TE_ETAPA%20III_2009.pdf](http://www.cncsis.ro/userfiles/file/PREMIERE_ARTICOLE/BREVETE%202009/REZULTATE_BREVE_TE_ETAPA%20III_2009.pdf)

- 2016:

- Excellence prize for research and "Gh. Asachi" medal for research activities, offered by Technical University of Iasi, Romania

- 2017

- BEST REVIEWER for 2016, Journal Applied Energy, ELSEVIER

- Premiul "Traian Negrescu" al ASTR pentru cartea: "Tratat de Stiinta si Ingineria Materialelor"

- 2018

premii CNCSIS pe lucrari:

- A review on development of ionic liquid based nanofluids and their heat transfer behavior

[https://uefiscdi.ro/resource-](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

[85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[eqaSBPN49gGKsqjECYIzEJXICAaJ9866HHk+ThNqVQvZ1hncCcpd21iV8leZT2LxI4FbLiOQCJ+oxs](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[RYRyh2i0ERGH097A9brjKmmc6kXomlfj8bhig5Ike+xsqVKv8YjOt+jbF3tmtvVF1vJm/TfmjTyR5dalxL](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[b87OaTWMruk9FK83&wchk=46fbdc1d9818f5a27236b604184985131c9c41c2](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

- Properties of glycerol and ethylene glycol mixture based SiO₂-CuO/C hybrid nanofluid for enhanced solar energy transport

[https://uefiscdi.ro/resource-](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

[85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[eqaSBPN49gGKsqjECYIzEJXICAaJ9866HHk+ThNqVQvZ1hncCcpd21iV8leZT2LxI4FbLiOQCJ+oxs](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[RYRyh2i0ERGH097A9brjKmmc6kXomlfj8bhig5Ike+xsqVKv8YjOt+jbF3tmtvVF1vJm/TfmjTyR5dalxL](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[b87OaTWMruk9FK83&wchk=46fbdc1d9818f5a27236b604184985131c9c41c2](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

- Influence of hybrid nanofluids on the performance of parabolic trough collectors in solar thermal systems: Recent findings and numerical comparison

[https://uefiscdi.ro/resource-](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

[85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[eqaSBPN49gGKsqjECYIzEJXICAaJ9866HHk+ThNqVQvZ1hncCcpd21iV8leZT2LxI4FbLiOQCJ+oxs](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[RYRyh2i0ERGH097A9brjKmmc6kXomlfj8bhig5Ike+xsqVKv8YjOt+jbF3tmtvVF1vJm/TfmjTyR5dalxL](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[b87OaTWMruk9FK83&wchk=46fbdc1d9818f5a27236b604184985131c9c41c2](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

- A numerical approach in describing ionanofluids behavior in laminar and turbulent flow

[https://uefiscdi.ro/resource-](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

[85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[eqaSBPN49gGKsqjECYIzEJXICAaJ9866HHk+ThNqVQvZ1hncCcpd21iV8leZT2LxI4FbLiOQCJ+oxs](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[RYRyh2i0ERGH097A9brjKmmc6kXomlfj8bhig5Ike+xsqVKv8YjOt+jbF3tmtvVF1vJm/TfmjTyR5dalxL](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)
[b87OaTWMruk9FK83&wchk=46fbdc1d9818f5a27236b604184985131c9c41c2](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

- Viscosity estimation of Al₂O₃, SiO₂ nanofluids and their hybrid: an experimental study

[https://uefiscdi.ro/resource-](https://uefiscdi.ro/resource-85099?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

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- Experimental study on thermal conductivity of stabilized Al₂O₃ and SiO₂ nanofluids and their hybrid

[https://uefiscdi.ro/resource-](https://uefiscdi.ro/resource-80290?&wtok=&wtkps=XY5dDolwEITvss+CbH9oXe5ATDwB0IqNRQwFMRrvbsEHo0872cw3MxUp)

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- 2019

NURC awards on research: 8

- Excellence prize for research and “Gh. Asachi” medal for research activities, offered by Technical University of Iasi, Romania

8. Experiență profesională

- profesor invitat:

- la Seconda Universita degli Studi di Napoli in 2009: 5 ore predare

- la Seconda Università degli Studi di Napoli in 2010: 5 ore predare
- la Seconda Università degli Studi di Napoli in 2013: 10 ore predare
- in Austria, Leoben University, in 2011: 15 ore predare
- in Portugal, University of Beira Interior, in 2012: 10 ore predare
- in France, University of Poitiers, in 2013: 5 ore predare
- in Portugal, University of Beira Interior, in 2014: 10 ore predare
- in Bulgaria, University UCTM, in 2014: 10 ore predare
- la Seconda Università degli Studi di Napoli in mai 2015: 10 ore predare
- la Technical University of Athens, Grecia in decembrie 2015: 10 ore predare
- in Bulgaria, University UCTM, in 2016: 8 ore predare
- in Norvegia, NTNU Trondheim in 2019

- reviewer pentru programe de cercetare:

- reviewer CNCSIS din 2004 - 2010(certificat nr.1417/28.11.2005)
- reviewer MCT-excelenta in 2005, 2006
- reviewer AMCSIT, programme Inovare, in 2007
- reviewer CNMP, in 2007, 2008
- reviewer ANCS- Fonduri structurale competition 2009, 2011
- certified reviewer for ARACIS (national agency for quality in academia)
- reviewer ARACIS, internal programme.
- expert EACI-IEE for Intelligent Energy Europe
- expert programme Fp7, HORIZON 2020
- expert HORIZON 2020, in aprilie-mai 2014, competition H2020-EE
- raporteur HORIZON 2020, in aprilie-mai 2014, competition H2020-EE
- expert HORIZON 2020, in octombrie 2014, competition H2020-LCE
- raporteur HORIZON 2020, in octombrie 2014, competition H2020
- expert HORIZON 2020, in martie 2015, competition H2020-EASME
- expert HORIZON 2020, in iunie 2015, competition H2020-second stage
- expert HORIZON 2020, in 2016, competition H2020
- raporteur HORIZON 2020, in 2016, competition H2020
- expert NCRB Poland in martie 2017, februarie 2018
- expert UEFISCDI, programe PD si TE, 2017
- expert EUROSTARS, programe CDI in 2017: 3 proiecte, 2018: 4 proiecte, 2019: 4 proiecte
- expert Kazakhstan Ministry of Research, 2017
- expert HORIZON 2020, in 2018, competition H2020
- expert HORIZON 2020, in 2019, competition RES

-ca reviewer:

- reviewer pentru reviste de prestigiu: J.Materials Science (Springer); Experimental Mechanics (Springer); Heat and Mass Transfer (Springer); Applied Energy (Elsevier); International Journal of Advanced Manufacturing Technologies (Springer); CRC press, Taylor and Francis; Current Nanoscience (Bentham); Thermal Science; Environmental Engineering and Management Journal; Journal of Materials Processing Technology (Elsevier), International Journal of Heat and Mass Transfer (Elsevier), Nano Research Letters, Continuum Mechanics and Thermodynamics (Springer), Computational Materials Science (Elsevier), Energy (Elsevier), Heat transfer Engineering (Taylor and Francis), International Journal of Thermophysics (Springer), Journal of Thermal Analysis and Calorimetry (Springer), Microfluidics and nanofluidics (Elsevier), Journal of Molecular Liquids(Elsevier)
- reviewer conferințe internationale: de ex.: KGCM 2008, Orlando, USA; WSEAS (209-2016); IMETI

2009, Orlando, USA; BMIC 2009, Orlando, USA; ASM – IMECE 2009, Florida, USA; ASME – FEDSM 2010, ISTEP 26 (2015)

- coordonator Erasmus și Erasmus+:

- Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și Seconda Università degli Studi di Napoli, Italia
- Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și Montanuniversität Leoben, Austria
- Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Beira Interior, Portugalia
- Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și UCTM, Bulgaria
- Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Poitiers, Franța
- Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și Technical University of Athens, Grecia
- Responsabil acord interuniversitar ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Lisbon, Portugalia
- Responsabil acord interuniversitar ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Parma, Italia
- Responsabil acord interuniversitar ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și Technologiko Ekpaideftiko Idryma (TEI) of Sterea Ellada, Grecia
- Responsabil acord interuniversitar ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Vigo, Spain
- Coordonator partea română pentru programul Erasmus IP cu Portugalia, Spania și Polonia (nr 2013-1-PT1-ERA10-16665).
- Responsabil acord interuniversitar ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Trondheim, NORWAY

- Stagii de cercetare – documentare în străinătate:

- Portugal, Lisbon
- France, Paris
- Italy: Aversa, Rome, Milano
- Spain, Madrid
- UK, London

- Invited Key speaker:

- Invited speaker pentru HTE Conference, Moscow, 2009:
<http://www.wseas.org/conferences/2009/russia/hte/Plenary3.htm>
- Invited speaker pentru TEHNOMUS 2013, Suceava, Romania:
http://www.fim.usv.ro/conf_1/TEHNOMUS/
- Invited speaker pentru Conference IManE 2014, 27-30 May 2014, Chisinau, Moldavia:
<http://www.imane.ro/conference-program/>
- Invited speaker pentru Summer school in Composite Materials in Portugalia in: 2012, 2013, 2014.
- Invited speaker pentru Conference ISTEP 26, Austria, 27.09 – 1.10 2015: <http://www.istp26.at/en/1/>
- Invited speaker pentru INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE & ENGINEERING, UgalMat 2016, MAY 19 - 21, 2016, GALATI, ROMANIA: <http://www.ugalmat.ugal.ro/>
- Invited speaker pentru Conference ICMM 2016, Bulgaria, 26.09 2016:

<http://icmm2016.com/organizers/conference-committee/>

- Key speaker for TULasi, First conference of Doctoral Schools, 29-30 mai 2017, Iasi, Romania
- Invited speaker la First International Conference on Energy Systems Engineering, (ICESE'17) 2017, Turcia, november 2017, <http://icese17.com/22-2/>
- Invited speaker at NANOSTRUC 2018, Berlin, may 2018: <https://www.nanostruc.info/nanostruc-conference.html>
- Invited speaker at Modtech 2018, Constanta, Romania, iunie 2018: http://modtech.ro/conference/invited_speakers.php
- Invited speaker at IAPE 2019: Innovative Applied Energy, Oxford, UK, martie 2019; <http://iape-conference.org/index.php/2018-05-02-19-15-06/keynote-talks>

- Altele:

- membru comisie de doctorat: București 2007
- membru concurs internațional pentru poziția de conferențiar la SDK, Danemarca, în 2014
- membru diferite comisii în învățământul preuniversitar și universitar (licența, master, concursuri posturi didactice, evaluări interne, consiliu facultate) din 2010
- membru comisii susținere referate și proiecte de cercetare științifică în cadrul programului de Studii Doctorale din 2010.
- membru registrul national de evaluatori ARACIS: <http://pfe.aracis.ro/inscriere/registru/evaluator/233/>
- nominalizata printre cei 10 finalisti GALA PREMIILOR IN EDUCATIE 2010 si 2011, CATEGORIA INVATAMANT UNIVERSITAR, SECTIUNEA PROFESORUL ANULUI: http://www.premiileineducatie.ro/resources/files/1286980566profesor_universitar.pdf
- Președinte al comisiei de doctorat pentru diferite sustineri de teze in cadrul Scolii Doctorale SD-SIM
- Membru Advisory Board TEST (www.thermofluids.net), web based courseware
- Membru Committee pentru o teza de doctorat in India, decembrie 2017.
- reviewer report "Energy Transition and the Future of Energy Research, Innovation and Education: An Action Agenda for Europe`s Universities", decembrie 2017
- Membru Committee pentru o teza de doctorat in France, Lyon, ianuarie 2018.
- Membru Committee pentru o teza de doctorat in Montreal, University of Sherbrook, Canada, 25 octombrie 2018.
- Membru Committee pentru o teza de doctorat in Italia, noiembrie 2018.
- Membru Committee pentru o teza de doctorat in India, martie 2019.
- Membru Committee pentru o teza de doctorat in India, septembrie 2019.

Proiecte de cercetare-dezvoltare.

1. Contract de finanțare pentru executie proiecte nr. 37 PCCDI /2018

Programul PCCDI

Categoria de proiect: proiecte complexe

Denumirea proiectului: Platforme teranostice antitumorale pe baza de carbon-dots si matrice polimerice

Autoritatea Contractantă: *UEFISCDI*

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Simionescu Bogdan, membru: **Minea Alina Adriana**

Valoarea proiectului: 5 287 500 lei (RON)

Valoare TUIASI: 2 009 300 ron

2. Contract de finanțare pentru executie proiecte nr. 275 /31.10.2008

Programul INOVARE

Categoria de proiect: CDI- orientate

Denumirea proiectului: *Tehnologia de realizare a pieselor auto metalice su straturi superficiale modificate zonal*

Autoritatea Contractantă: AMCSIT

Contractor: PROCOMIMPEX SRL Iași

Director de proiect: **Minea Alina Adriana**

Valoarea proiectului: 1 502 016 lei (RON)

3. Contract de finanțare pentru executie proiecte nr. 81 / 01.10.2007

Programul PNCDI II

Categoria de proiect: IDEI

Denumirea proiectului: *Tehnici experimentale si CFD pentru optimizarea energetica a cuptoarelor electrice, prin modificarea geometriei spatiului de lucru*

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Minea Alina Adriana

Valoarea proiectului: 931 050 lei (RON)

4. Contract de finanțare pentru executie proiecte nr. 113.1 /29.09.2007

Programul INOVARE

Categoria de proiect: CDI- orientate

Denumirea proiectului: *tehnologie pentru sudo-brazarea structurilor duplex din otel de constructii protejat cu straturi de zinc*

Autoritatea Contractantă: AMCSIT

Director de proiect: Baciou Constantin, membru: **Minea Alina Adriana**

Valoarea proiectului: 1 822 963lei (RON)

5. Contract de finanțare pentru executie proiecte nr. 71-086 / 18.09.2007

Programul PARTENERIATE IN DOMENIILE PRIORITARE

Categoria de proiect: PROIECTE COMPLEXE

Denumirea proiectului: *Tehnologie modernă de obținere a straturilor fosfatate de înaltă porozitate pentru prelucrarea plastică volumică a pieselor din industria de automobile*

Autoritatea Contractantă: Centrul National de Management

Programe

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Bejinariu Costică, membru: **Minea Alina Adriana**

Valoarea proiectului: 1 640 000 lei (RON)

6. Contract de finanțare pentru executie proiecte nr. 5882 / 2006

Programul MCT- EXCELENTA

Categoria de proiect:ET

Denumirea proiectului: *Reducerea consumurilor energetice ale instalatiilor de incalzire la temperaturi medii prin intensificarea proceselor de transfer de caldura si masa*

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Minea Alina Adriana

Valoarea proiectului: 130 000 lei (RON)

7. Contract de finanțare pentru execuție proiecte nr. 63GR tema 28 / 2006

Programul CNCSIS

Categoria de proiect: AT

Denumirea proiectului: *Optimizarea energetica a instalatiilor de tratament termic al aliajelor de aluminiu, prin eficientizarea proceselor de transfer termic. Implicatii metalurgice*

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Minea Alina Adriana

Valoarea proiectului: 45 000 lei (RON)

8. Contract de finanțare pentru execuție proiecte nr. 171/2006

Programul MCT EXCELENTA

Categoria de proiect: MODUL1

Denumirea proiectului: *Sisteme expert pentru comanda sistemelor termice*

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Vizureanu Petrica, membru: **Minea Alina Adriana**

Valoarea proiectului: 930 000 lei (RON)

9. Contract de finanțare pentru execuție proiecte nr. 293 / 13.09.2006

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: *Sistem tehnologic performant pentru tragerea țevilor din oțeluri inoxidabile cu vibrații ultrasonice*

Autoritatea Contractantă: *Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic - POLITEHNICA*

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Susan Mihai, membru: **Minea Alina Adriana**

Valoarea proiectului: 1 236 500 lei (RON)

10. Contract de finanțare pentru execuție proiecte nr. 193 / 20.07.2006

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: *Materiale multifuncționale cu granulație ultrafină/nanometrică obținută prin deformare plastică severă*

Autoritatea Contractantă: *Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic - POLITEHNICA*

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Comăneci Radu, membru: **Minea Alina Adriana**

Valoarea proiectului: 910 000 lei (RON)

11. Contract de finanțare pentru execuție proiecte nr. 191 / 20.07.2006

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: *„Sistem automat pentru obținerea piulițelor olandeze din oțel prin extrudare indirectă la rece”*

Autoritatea Contractantă: *Agenția Managerială de Cercetare*

Științifică, Inovare și Transfer Tehnologic - POLITEHNICA

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Bejinariu Costică, **membru: Minea Alina Adriana**

Valoarea proiectului: 1 030 000 lei (RON)

12. Contract de finanțare pentru execuție proiecte nr. 1123 / 12.01.2001

Programul RELANSIN'

Categoria de proiect: TM

Denumirea proiectului: *Realizarea unei tehnologii complexe de tratament termic criogenic și/sau termomecanic a corpurilor de rulmenți în scopul creșterii fiabilității rulmenților*

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Susan Mihai, **membru: Minea Alina Adriana**

13. Contract de finanțare pentru execuție proiecte nr. 905 / 19.09.2000

Programul RELANSIN'

Categoria de proiect: TM

Denumirea proiectului: *Tehnologii moderne, de mare eficiență economică, pentru obținerea țevilor cu pereți subțiri și a cablurilor cu izolație minerală pentru termocupluri în tub metalic, din oțeluri inoxidabile, prin tragere în câmp ultrasonor*

Contractor: Universitatea Tehnică „Gh. Asachi” din Iași

Director de proiect: Dima Adrian, **membru: Minea Alina Adriana**

Valoarea proiectului: 85 000 lei (RON)

14. Contract de finanțare pentru execuție proiecte nr. 1274/1996, act adițional nr. 433 din 11.06.1999

Programul: ORIZONT 2000 / 11.1.2 – Tehnici, tehnologii convenționale și neconvenționale în procese industriale

Tema B1 : Cercetări privind obținerea țevilor cu pereți subțiri prin tragere la rece, cu activarea ultraacustică a țijeii port-dop și posibilitatea implementării noii tehnologii în industria țevilor

Faza unică 1999 : Stadiul actual, fundamentare teoretică și elemente de proiectare tehnologică

Finanțare: MCT / ANSTI – 1999

Contractor: Universitatea Tehnică "Gheorghe Asachi" din Iași

Director de proiect : Dima Adrian, **membru: Minea Alina Adriana**

Valoare fază unică 1999 : 4000 lei (RON)

Proiecte internaționale, ca Responsabil partener:

1. Coordonator partea română pentru programul Erasmus IP cu Portugalia, Spania și Polonia (nr 2013-1-PT1-ERA10-16665).

2. Energy Efficiency in Buildings in Russia and Armenia – MARUEEB: 2015, Erasmus KA2_ Horizon 2020

3. Overcoming Barriers to Nanofluids Market Uptake (NANO-UPTAKE), membru în Management Committee și Dissemination Manager: 2016, COST_ Horizon 2020

4. Membru rețea de cercetare Research Network GreTInMat: Horizon 2020, BG05M2OP001-2.009-0015, coordonator: UCTM, Sofia, Bulgaria

5. Membru în CEEPUS III network: RS-1012 Building Knowledge and Experience Exchange in CFD; Coordonator al întregii rețele: University of Novi Sad, Faculty of Technical Sciences, Department for Energy and Process Engineering, PhD Sinisa Bikic

6. CA18234 - Computational materials sciences for efficient water splitting with nanocrystals from abundant elements - Membru în Management Committee: 2019, COST_ Horizon 2020

7. CA18202 -Network for Equilibria and Chemical Thermodynamics Advanced Research - Membru în

Management Committee: 2019, COST_ Horizon 2020

Experiență în activitatea de coordonare a proiectelor finale ale studenților:

- cel puțin 30 de proiecte de diplomă coordonate
- cel puțin 25 de proiecte de disertație coordonate
- 7 doctoranzi în stagi, în diverse stadii de dezvoltare a tezei
- 1 teza de doctorat susținută în mai 2019: Moldoveanu Madalina

Lucrari publicate:

- 33 cărți/ capitole cursuri și monografii în edituri recunoscute, dintre care 11 sunt cursuri iar **8 sunt publicate în edituri internaționale** (Germania, Italia, SUA)
- 197 articole publicate în reviste și la conferințe, dintre care 71 sunt cotate ISI Clarivate analytics: **23 articole indexate Q1; 12 articole Q2.**
- 1 brevet de invenție
- participare la 14 contracte de cercetare-dezvoltare câștigate prin competiție națională, dintre care 4 au fost câștigate ca director.
- Responsabil partener la 7 contracte internaționale de cercetare-dezvoltare câștigate ca partener prin competiție internațională

Mai multe informații privind activitatea științifică:

h-index 12 și 443 citări (without self-citations) Source: Web of Science

h-index 13 (12, dacă se exclud toate autocitările tuturor autorilor) și 508 citări (dacă se exclud toate autocitările tuturor autorilor) Source: SCOPUS

h-index 15 și 882 citări Source: GOOGLE SCHOLAR

<http://orcid.org/0000-0002-2473-184X>

ResearcherID: C-7307-2009

Scopus Author ID: 23493089800

ARTICOLE PUBLICATE - SELECȚIE

- Articole cotate ISI, în categoria Q1**
1. **A A Minea**, A Review on Electrical Conductivity of Nanoparticle-Enhanced Fluids, *Nanomaterials* 2019, 9(11), 1592
 2. E I Chereches, **A A Minea**, Electrical conductivity of new nanoparticle enhanced fluids: an experimental study, *Nanomaterials* 9 (2019) 1228.
 3. **A. Minea**, B. Buonomo, J. Burggraf, D. Ercole, K. R. Karpaiya, A. Di Pasqua, G. Sekrani, J. Steffens, J. Tibaut, N. Wichmann, P. Farber, A. Humnic, G. Humnic, R. Mahu, O. Manca, C. Oprea, S. Poncet, J. Ravnik, , NanoRound: A benchmark study on the numerical approach in nanofluids' simulation, *International Communications in Heat and Mass Transfer*, 108 (2019) 104292
 4. E I Cherecheș, JI Prado, M Cherecheș, **AA Minea**, L. Lugo, Experimental study on thermophysical properties of alumina nanoparticle enhanced ionic liquids, *Journal of Molecular Liquids* 291 (2019) 111332
 5. Moldoveanu, G.M., **Minea, A.A.**, Specific heat experimental tests of simple and hybrid oxide-water nanofluids: Proposing new correlation, *Journal of Molecular Liquids* 279 (2019) 299-305
 6. **A. A. Minea**, P. Estelle, Numerical study on CNT nanofluids behavior in laminar pipe flow, *Journal of Molecular Liquids*, 271 (2018) 281-289
 7. Moldoveanu, G.M., Humnic, G., **Minea, A.A.**, Humnic, A., Experimental study on thermal conductivity of stabilized Al₂O₃ and SiO₂ nanofluids and their hybrid, *International Journal of Heat and Mass Transfer*, 127 (2018) 450-457
 8. **Minea, A.A.**, Murshed, S.M.S., A review on development of ionic liquid based nanofluids and their heat transfer behavior, *Renewable and Sustainable Energy Reviews*, 91 (2018) 584-599
 9. E. I. Chereches, K. V. Sharma, **A. A. Minea**, A numerical approach in describing ionanofluids behavior in laminar and turbulent flow, *Continuum Mech. Thermodyn.*, 30 (2018) 657–666
 10. G.M. Moldoveanu, C Ibanescu, M. Danu, **A.A. Minea**, Viscosity estimation of Al₂O₃, SiO₂ nanofluids and their hybrid: An experimental study, *Journal of Molecular Liquids*, 253 (2018) 188-196

11. **A. A. Minea**, W. M. El-Maghlany, Influence of hybrid nanofluids on the performance of parabolic trough collectors in solar thermal systems: recent findings and numerical comparison, *Renewable energy*, 120 (2018) 350-364.
12. GM Moldoveanu, **AA Minea**, M Iacob, C Ibanescu, M Danu, Experimental study on viscosity of stabilized Al₂O₃, TiO₂ nanofluids and their hybrid, *Thermochimica Acta*, 659 (2018) 203–212
13. S. Akilu , A. T. Baheta , M. A. M.Said , **A.A. Minea** , K.V. Sharma, Properties of glycerol and ethylene glycol mixture based SiO₂-CuO/C hybrid nanofluid for enhanced solar energy transport, *Solar Energy Materials and Solar Cells*, 179 (2018) 118-128
14. S. Akilu, A. T. Baheta, **A. A. Minea**, K.V. Sharma, Rheology and thermal conductivity of non-porous silica (SiO₂) in viscous glycerol and ethylene glycol based nanofluids, *International Communications in Heat And Mass Transfer*, 88 (2017) 245-253
15. **A. A. Minea**, W. M. El-Maghlany, Natural convection heat transfer utilizing ionic nanofluids with temperature-dependent thermophysical properties, *Chemical Engineering Science* 174 (2017) 13–24
16. **A.A. Minea**, G. Lorenzini, A numerical study on ZnO based nanofluids behavior on natural convection, *International Journal Of Heat And Mass Transfer* 114 (2017) 286-296 2017
17. **A.A. Minea**, Challenges in hybrid nanofluids behavior in turbulent flow: Recent research and numerical comparison, *Renewable and Sustainable Energy Reviews*, 71 (2017) 426–434
18. **A. A. Minea**, Hybrid nanofluids based on Al₂O₃, TiO₂ and SiO₂: numerical evaluation of different approaches, *International Journal Of Heat And Mass Transfer*, 104 (2017) 852–860, 2017
19. **A. A. Minea**, Numerical studies on heat transfer enhancement and synergy analysis on few metal oxide water based nanofluids, *International Journal Of Heat And Mass Transfer*, 89 (2015) 1207-1215.
20. **A. A. Minea**, Uncertainties in modeling thermal conductivity of laminar forced convection heat transfer with water alumina nanofluids, *International Journal Of Heat And Mass Transfer*, DOI: 10.1016/j.ijheatmasstransfer.2013.09.018, vol. 68, pp.78-84, 2014
21. **A. A. Minea**, Effect of microtube length on heat transfer enhancement of an water/Al₂O₃nanofluid at high reynolds numbers, *International Journal Of Heat And Mass Transfer*, vol.62, pp. 22-30, 2013
22. **A.A. Minea**, R. Luciu, Investigations on electrical conductivity of stabilized water - Al₂O₃ nanofluids, *Microfluidics and Nanofluidics*, 13(6), pp. 977-985, 2012
23. V. Bianco, O. Manca, S. Nardini, **A. A. Minea**, Analysis and forecasting of nonresidential electricity consumption in Romania, *Applied Energy*, Elsevier, DOI:10.1016/j.apenergy.2010.05.018, ISSN 0306-2619, 2010

Cărți reprezentative

1. A. N. Maksimovich, Arakelyan A.S. , Benoganyan N.V. , Byanko V., Vedishcheva Y., Gafiyatullina N.M., Zolotukhina Y., Levchenko A., Ice Yu.A., Maltseva K. V., Mamontov A., Mamontov S., Matis K , Manca O., **Minea A.A.**, Nardini S., Popov I., Prokshits E.A. , Olegovich S., Suzyumov A., Khachatryan R. , Shamamyam E., Sharovarov E., *Case studies in energy efficiency*, Publishing House "Agraf" (Moscow), Ekaterinburg, 214 pages, UDC: 69.003.13, eLIBRARY ID: 39251471, ISBN: 978-5-6043063-5-2, 2019
2. **A. A. Minea**, S.M. Murshed, *An insight of ionanofluids flow and heat transfer behavior for solar energy* in Nanofluids and their Engineering Applications, ed. K.R.V. Subramanian, Tubati Nageswara Rao, Avinash Balakrishnan, Chapter 11, CRC press Taylor & Francis, ISBN 9781138605268 - CAT# K388492, 2019
3. **A. A. Minea**, *Echipamente si instalatii de incalzire* -356 pag. (30rd/pag), Ed. Pim, Iasi, ISBN 978-606-13-4010-1, 2017
4. **A.A. Minea**, **Advances in Heat Transfer Fluids: from Numerical to Experimental Techniques** (532 pag) Ed. A. A. Minea, CRC press Taylor & Francis, ISBN 9781498751858 - CAT# K27275, 2017.
5. **A.A. Minea**, *Productivity and Technology: Techniques Related to Industrial Energy Savings (ch.9)*, in Human Work productivity – a global perspective,(253 pag) Ed. S. Kumar, A. Mital, A. Pennathur, CRC press Taylor & Francis, pp 192-214, ISBN: 9781439899076, 2013
6. **A.A. Minea**, **Advances in industrial heat transfer**,(421 pag) Ed. A. A. Minea, CRC press Taylor & Francis, pp 1-46, ISBN: 9781439899076, 2012
7. I. Varcolacu, V. Mirea, B. Florea, **A. A. Minea**, Instalatii, utilaje si echipamente metalurgice (cap. 6) , in **TRATAT DE STIINTA SI INGINERIA MATERIALELOR METALICE** , Editori: Rami SERBAN, Mihai COJOCARU, Editura AGIR, pp 632-939, ISBN: 978-973-720-391-5, 2012

8. A. Dima, S. Dimitriu **A. A. Minea**, C. Trante, Utilaje, instalatii si automatizari pentru tratamente termice (cap. 1.8), in **TRATAT DE STIINTA SI INGINERIA MATERIALELOR METALICE** , Editori: Rami SERBAN, Mihai COJOCARU, Editura AGIR, pp145-205, ISBN: 978-973-720-391-5, 2012
9. **A. A. Minea, D. G. Galusca**, Heat Treatment: Theory, Techniques and Applications, chapter AlCu2,5Mg Alluminum Alloy Heat Treatment: Theory, Techniques and Applications, Nova Publishers, ISBN: 978-1-61728-348-2, pg. 107 - 139, 2010
10. **A. A. Minea**, *Tehnici de simulare a proceselor termogazodinamice* -277 pag. (47rd/pag), Ed. Matrix Rom București, ISBN 978-973-755-603-5, 2010
11. **A. A. Minea** *Engineering heat and mass transfer*, 210 pag, (42 rd/pag) Ed. Praise Worthy Praise, Italy, ISBN 978-88-96329-01-6, 2009
12. **A. A. Minea** *Techniques for studying heat and mass transfer enhancement*, 243 pag, (29rd/pag) Ed. VDM Publishing House, Germany, ISBN 978-3—639-17191-4, 2009