A2. Activitatea de cercetare

2.1. Articole indexate in reviste ISI Thomson Reuters si in volume unor manifestari stiintifice indexate ISI Thomson Reuters, vizibile in baza de date (de la ultima promovare - 2005)

Nr. publ. ISI (n)	Referinţa bibliografică a articolului în extenso în reviste cotate ISI Thomson Reuters	FI -in anul publicarii
1.	**L Moraru** Viscosity of a eutectic silumin alloy in ultrasonic field and estimation of melting temperature, Indian Journal of Pure& Applied Physics, vol 45 no 9, pp 733-738, 2007 ISSN 0019-5596 http://www.niscair.res.in/ScienceCommunication/ResearchJournals/rejour/ijpap/ijpap0.asp,	0,38
2.	**L. Moraru,** M Vlad, *Nucleation of crystals in undercooled molten alumnium*, Revista de Chimie-Bucharest-Original Edition, 2007, VOL 58; PART 2, pp 129-132 Centrul de documentare al industriei chimice ISSN 0034-7752, http://www.revistadechimie.ro/arhiva.asp?lim=ro&rev=ch	0,208
3.	**L. Moraru**, A. Ene, G. Murariu, High-accuracy structure identification of the aluminium eutectic alloys using the colour metallography, Romanian Report in Physics ISSN 1221-1451, vol 61, No4, 700-708, 2009 http://www.infim.ro/rrp/2009_61_4.html,	0,333
4.	**L. Moraru**, F. Szendrei, Ancient pottery analysis using SEM image processing, European Journal of Science and Theology, June 2010, Vol.6, No.2, pp69-79 ISSN 1841-046,	0,6
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8.	Comparative study on the performance of textural image features for active contour segmentation By**: Moraru, Luminita**; Moldovanu, Simona SCIENCE CHINA-LIFE SCIENCES Volume: 55 Issue: 7 Pages: 637-644 Published: JUL 2012, https://link.springer.com/article/10.1007%2Fs11427-012-4344-5	2,024
9.	A.-M. Chiselev, **L. Moraru**, A Study of Far Field Directivity Pattern of Bio-inspired EMFit Emitters, IEEE Sensors Journal 12(5), pp 1372-1376, 2012 Doi: 10.1109/JSEN.2011.2172600, ISSN 1530–437X , http://www.scopus.com/inward/record.url?eid=2-s2.0-84872239921&partnerID=MN8TOARS	1.475

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11.	Michelle Savescu, Kaisar R. Khan, Preeti Naruka, Hossein Jafari, **Luminita Moraru**, and Anjan Biswas, Optical Solitons in Photonic Nano Waveguides with an Improved Nonlinear Schrödinger's Equation, Journal of Computational and Theoretical Nanoscience (J. Comput. Theor. Nanosci.) 10, 1182 -1191 (2013) ISSN: 1546-1955, **http://www.aspbs.com/**, **http://www.scopus.com/inward/record.url?eid=2-s2.0-84879657782&partnerID=MN8TOARS** WOS:000320569600020	1.032
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13.	**Luminita Moraru**, Dorin Bibicu, Anjan Biswas, Standalone functional CAD system for multi-object case analysis in hepatic disorders, Computers in Biology and Medicine , 2013, 43 (2013), pp. 967-974, DOI: 10.1016/j.compbiomed.2013.04.014 ISSN: 0010-4825, **http://www.scopus.com/inward/record.url?eid=2-s2.0-84879177445&partnerID=MN8TOARS** **WOS:000321994800001**	1.475
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Prof. dr. Luminita Moraru

Research Projects	**Horizon Europe, 2022-2025**,

Horizon Europe, 2022-2025,
Project number: **101073899**
Project name: Mechanical Impedance and Multiphysics Concealed and Hidden
Objects Interrogation Project acronym: MELCHIOR
Call: HORIZON-CL3-2021-BM-01 (border Management)
Topic: HORIZON-CL3-2021-BM-01-05
Type of action: HORIZON-IA (Horizon Europe Framework Programme -
Innovation Actions)
Service: REA/C/02, partner coordinator

Horizon 2020, 2016-2019
Project number: **700399,**
Project Title: Multi-Energy High Resolution Modular Scan System for Internal and
External Concealed Commodities, Project acronym: MESMERISE
Call: H2020-BES-2015, Topic: BES-08-2015**,** Type of action: **RIA,** partner
coordinator

European Science Foundation, 2009-2013
Eurocores Programme European Collaborative Research
Project number: **FP-003**
Project title: **The Academic Profession in Europe: Responses to Societal
Challenges (EUROAC)**, Principal Investigator
European Program: STAR-NET – Stimulate the participation of organizations
from Member States and candidate countries in information technology in the
Framework Programme FP 6 **EUROPEAN IST**, no 015742; 2005-2006, grant
holder

EU – Grant - Evaluation of Sustainability, 5-14 Sept 2007 Krakow, Poland,
Financed by the European Union Marie Curie Conferences and Training Courses,
EASY-ECO 2005-2007, contract no. MSCF-CT-2004-516613, grant holder
Grant **NEXUS** „Cooperation in industry-oriented research in an enlarged Europe",
March 2007, The Nexus Association Switzerland, grant holder

TEMPUS EQADE „Embedding Quality Assurance in Doctoral Education"
(516891-TEMPUS-1-2011-DE-TEMPUS-SMGR), 2011-2014, partner coordinator

EUROPEAN COMMISSION- RESEARCH DIRECTORATE-GENERAL project
MORE-II N°-RTD-2010-S236-359211 Support for continued data collection and
analysis concerning mobility patterns and career paths of researchers, 2012-2013,
Principal Investigator