


<p>Curriculum vitae</p>	
<p>Nume si prenume:</p>	<p>SANDU Ioan Gabriel</p>
<p>Locul de muncă/functia vizata:</p>	<p>Membru in Consiliul Facultatii de Știința și Ingineria Materialelor, Universitatea Tehnică “Gheorghe Asachi” din Iași</p>
<p>Experiență practică, didactică și managerială</p>	<p>1998-2000 – asistent cercetare CMC TABOR Iasi 2000-2001 – inginer proiectare SC Georgies SRL Iasi oct. 2001 – sept. 2005 – doctorand cu frecventa în cadrul Facultații de Știința și Ingineria Materialelor, Universitatea Tehnică “Gheorghe Asachi” din Iași oct. 2006 - sept. 2007 – asistent universitar in cadrul UTI, Departamentul pentru Pregătirea Personalului Didactic oct. 2007 –sept. 2012 – sef lucrări Departamentul pentru Pregătirea Personalului Didactic/UTI oct.2012 – ianuarie 2019 - șef lucrari Facultatea de Știința și Ingineria Materialelor, Departamentul de Ingineria Materialelor și Securitate Industrială februarie 2019 – prezent - conferențiar universitar Facultatea de Știința și Ingineria Materialelor, Departamentul de Ingineria Materialelor și Securitate Industrială 2021 – prezent – Director al Dep. de Ingineria Materialelor și Securitate Industrială 2015 – prezent – Vicepreședinte al Forumului Inventatorilor Români</p>
<p>Educație și formare</p>	<p>1991-1995 – diploma de bacalaureat, Liceul Național “Mihail Sadoveanu“ Iași 1995-2000 – inginer diplomat Universitatea Tehnica „Gheorghe Asachi” din Iasi, Facultatea de Stiinta si Ingineria Materialelor 2000-2001 – diploma de master în Inginerie Ecologică în Metalurgie – SIM/UTI 2001-2005 – doctor in domeniul Știința și ingineria materialelor 2005 – Expert in Sistemul de Management al Calitatii, SIMTEX-OC, Bucuresti 2005-2006 – diploma de master Conservarea și restaurarea construcțiilor ingineresti și a lucrărilor de artă, UTI/Facultatea de Construcții 2005-2006 – certificat DPPD, UTI 2010 – certificat expert achiziții publice, SC. TAK EDUCATION GRUP, Bucuresti 2011 – certificat absolvire - Management strategic universitar, UTI 2016 – certificat Cadru didactic tutore si supervizor de practica, UTI</p>
<p>Competențe didactice, social-organizatorice și aptitudini tehnice</p>	<p><i>Cursuri predate:</i> Didactica specializării, Instruire asistată de calculator, Tehnici de depunere in vid, Sisteme materiale micro si nanomecanice, Protectia mediului, Cristalografie si mineralogie, Metode statistice de analiza a securitatii in industrie, Elemente de electronica industrială, Ecologie si protectia mediului, Tehnologii de prelucrare a deseurilor industriale, Tehnologia informatiei si sisteme interactive;</p> <p>Abilitati de planificare, organizare si coordonare, capacitatea de a lucra sub presiune, respectarea termenelor limita, abilitati de management al situatiilor critice;</p> <p>Autor și coautor la 10 cărți, peste 40 de brevete de inventie, 199 lucrări indexate SCOPUS (din care 157 ISI), indice Hirsch 23, membru in 3 proiecte de cercetare, membru in colectivul de redactie a doua reviste (Intellectus, IJCS)</p>

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L I S T A

lucrărilor științifice (sinteza)

A. Teza de doctorat

Cercetari privind obtinerea si caracterizarea de noi materiale implicate in conservarea si restaurarea operelor de arta – sustinuta public in octombrie 2005

B. Cărți si capitole în cărți publicate

1. A.V. SANDU, C. BEJINARIU, **I.G. SANDU**, M.M.A.B. ABDULLAH, *Modern Technologies of Thin Films Deposition. I. Chemical Phosphatation*, Materials Research Foundations, Materials Research Forum LLC, Millersville PA, USA, ISBN 978-1-945291-90-6, 148p, 2018.
2. Ion Sandu, Monica-Anca Cretu, **Ioan Gabriel Sandu**, Viorica Vasilache, Andrei Victor Sandu, Galina Marusic, *Implicarea ceramicilor în potabilizarea apelor subterane și de suprafață*, Ed. Univ. ”Al.I.Cuza” Iași, ISBN 978-606-714-451-2, 2018, format academic, 250 pagini,
3. **I.G. SANDU**, *TEHNICI DE DEPUNERE ÎN VID II. Note de curs*, Ed. Pim, 2018, 178 pagini, ISBN 978-606-13-4581-6,
4. **I.G. SANDU**, *TEHNICI DE DEPUNERE ÎN VID II*, Îndrumar de laborator, editura PIM, format academic, 81, pagini, ISBN 978-606-13-4329-4, 2018
5. I. SANDU M. BRÂNZILĂ, **I.G. SANDU**, *Conservarea științifică a monumentelor de piatra*, Ed. Univ. ”Al.I.Cuza”, (ISBN 978-973-703-476-2), Iași, 2009, 314 pp.; Punctaj:314/(5x3) = 20,93p

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7. **I.G. SANDU**, I. SANDU, A. DIMA, *Aspecte moderne privind conservarea bunurilor culturale*, vol.III. Autentificarea și restaurarea artefactelor din materiale anorganice, Ed. Performantica, (ISBN 973-730-048-3 și 973-730-049-1) Iași, 2006, 502 pagini, Punctaj: $502/(5 \times 3) = 33,46$ p
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10. I. SANDU, A. DIMA, **I. G. SANDU**, *Restaurarea și conservarea obiectelor metalice*, Ed. Corson, Iași, (ISBN 973-8225-24-8), 2002, 664 pagini, Punctaj: $664/(5 \times 3) = 44,26$ p

C. Lucrări indexate ISI/BDI

1. I.G. SANDU, V. VASILACHE, I. SANDU, F.A. TENCARIU, A.V. SANDU, *Study on the Middle Bronze Age Disc-Butted Axe Ornament from Archaeometallurgical Point of View*, **Applied Sciences-Basel**, **11**(20), 2021, Article Number: 9814, <https://doi.org/10.3390/app11219814>; (ISSN 2076-3417), Impact Factor = 2.679/Q2/2019, Author Factor = 0.536, **(Article Influence Score = 0.495, Q2)**.
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15. [Sandu, I.](#), [Jurcovschi, CT](#); [Sandu, IG](#); [Vasilache, V](#); [Negru, IC](#); ; [Ursu, PS](#); [Pelin, V](#) Multianalytical Study for Establishing the Historical Contexts of the Church of the Holy Archangels from Cicau, Alba County, Romania, for its Promotion as a World Heritage Good I. Assessing the preservation-restoration works from the 18th century, , REVISTA DE CHIMIE, Volume: 70, Issue: 7, Pages: 2538-2544, Published: JUL 2019, Accession Number: WOS:000485843500049, ISSN: 0034-7752, IDS Number: IX7DH

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19. [Dascalu, ME](#); [Nedeff, F](#); [Mosnegutu, E](#); [Sandu, IG](#); [Lopez-Ramirez, JA](#) Hydrodynamic Surface Evaluation of a Polymeric Reverse Osmosis Membrane Using a Crossflow Cell, , REVISTA DE CHIMIE, Volume: 70, Issue: 3, Pages: 866-870, Published: MAR 2019, Accession Number: WOS:000464911600024, ISSN: 0034-7752, IDS Number: HT9RZ

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22. IULIEAN VASILE ASAFTEI, NECULAI CATALIN LUNGU, **IOAN GABRIEL SANDU**, ADRIAN FLORIN SPAC, MARIA IGNAT, *Performance of MFI Zeolite Catalysts in n-heptane Conversion Reaction Test*, **REVISTA DE CHIMIE**, **69**, 9, 2018, pp2420-2424, FI: 1.412

23. DAN BODESCU, GEORGE UNGUREANU, RADU ADRIAN MORARU, **IOAN GABRIEL SANDU**, COSTICA BEJINARIU, *Monitoring the Anthropogenic Toxicity of Spontaneous Flora in Neamt County through Studies of the Honey Bee Chemical Characteristics*, **REVISTA DE CHIMIE**, **69**, 8, 2018, pp2150-2159, FI: 1.412
24. AISSA BOUAISSI, LONG YUAN LI, LIGIA MIHAELA MOGA, **IOAN GABRIEL SANDU**, MOHD MUSTAFA AL BAKRI ABDULLAH, ANDREI VICTOR SANDU, *A Review on Fly Ash as a Raw Cementitious Material for Geopolymer Concrete*, **REVISTA DE CHIMIE**, **69**, 7, 2018, pp1661-1667, FI: 1.412
25. GEORGE UNGUREANU, GABRIELA IGNAT, ELENA LEONTE, CARMEN LUIZA COSTULEANU, SERGIU JITAREANU, DAN DONOSA, EUGEN TEODORESCU SOARE, **IOAN GABRIEL SANDU**, *Management of Urban Organic Solid Waste Applied in Romanian Metropolitan City*, **REVISTA DE CHIMIE**, **69**, 6, 2018, pp1585-1592 FI: 1.412
26. GABRIELA DUMITRU, ELENA TODIRASCU CIORNEA, LUCIAN HRITCU, **IOAN GABRIEL SANDU**, *Studies of Some Morphological and Biochemical Parameters Concerning the Health Condition of Some Fish Species from Prut River, Romania*, **REVISTA DE CHIMIE**, **69**, 5, 2018, pp 1194-1199 FI: 1.412
27. M. BORDEI, A.V. SANDU, C.P. PAPADATU, **I.G. SANDU**, *The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm*, **REVISTA DE CHIMIE**, **69**, 3, 2018, pp. 632-635. FI: 1.412
28. A. SLIWA, M. SROKA, K. BLOCH, **I. G. SANDU**, M.M.A.B. ABDULLAH, A.V. SANDU, *Finite Element Method Application for the Determination of Hardness for Magnesium Alloys*, **REVISTA DE CHIMIE**, **69**, 2, 2018, pp. 324-327. FI: 1.412
29. C.P. PAPADATU, **I.G. SANDU**, M. BORDEI, A.V. SANDU, *Evolution of the Plasticity of Some Low Carbon Steels, Subjected to Directed Cooling from High-temperature*, **MATERIALE PLASTICE**, **54**, 4, 2017, p. 759-763. FI: 1.248
30. GEORGE UNGUREANU, GABRIELA IGNAT, ELENA LEONTE, CARMEN LUIZA COSTULEANU, NICOLETA STANCIU, **IOAN GABRIEL SANDU**, DAN DONOSA, COSTICA BEJINARIU, *Solid Waste Management on Romanian Households*, **REVISTA DE CHIMIE**, (Bucharest), **68**, 12, 2941-2947, 2017, FI=1,412
31. COSTEL DOREL FLOREA, CORNELIU MUNTEANU, NICANOR CIMPOESU, **IOAN GABRIEL SANDU**, CONSTANTIN BACIU, COSTICA BEJINARIU, *Characterization of Advanced Ceramic Materials Thin Films Deposited on Fe-C Substrate*, **REVISTA DE CHIMIE**, (Bucharest), **68**, 11, 2582-2587, 2017, FI=1,412
32. C.P. PAPADATU, A.V. SANDU, M. BORDEI, **I.G. SANDU**, *Structural Changes in the Superficial Layers of a Non-conventional Treated Steel Subjected to a Wear Process*, **REVISTA DE CHIMIE**, **68**, 10, 2017, pp. 2329-2333. FI: 1.232
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35. SILVIU GURLUI, EMIL BURUIANA, **IOAN GABRIEL SANDU**, MITACHI STRAT, *The Study of Photoreversibility, Photopolimerization and Photocleavage Properties of Polyurethane Coumarin by Means of Electronic Spectrometry and AFM Methods*, **REVISTA DE CHIMIE**, (Bucharest), 68, 7, 1632-1635, 2017, FI=1,412

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37. C.P. PAPADATU, A.V. SANDU, M. BORDEI, **I.G. SANDU**, *Study on the Influence of the Treatment in Magnetic Field on the Nitrided Layer in Plasma*, **REVISTA DE CHIMIE**, 68, 4, 2017, p. 675-679, IF:1,412

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