

Curriculum Vitae *

INFORMAȚII PERSONALE AGOP MARICEL

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📍 Adresa paginii web personale_ -

💬 Scrieți tipul de messenger pe care-l folosiți (Yahoo, skype etc.) Scrieți numele de utilizator pe messenger (Yahoo, skype etc.)

Sexul M | Data nașterii 05/09/1955 | Naționalitatea română

LOCUL DE MUNCA **Universitatea Tehnică „Gheorghe Asachi” din Iași/Profesor univ.dr.fiz.**

EXPERIENȚA PROFESIONALĂ

1997 –prezent - Profesor univ. dr. fiz., Universitatea Tehnică “Gheorghe Asachi” din Iași

2002 –prezent -Profesor asociat și conducător de doctorat în domeniul Fizică, Universitatea “Al. I. Cuza” din Iași

2011 – prezent -Profesor asociat, Universitatea „Vasile Alecsandri” Bacău.

2013 - prezent - Membru al Școlii Doctorale, Universitatea „Vasile Alecsandri” Bacău.

1993 – 1997 -Conferențiar dr. fiz., Universitatea Tehnică “Gheorghe Asachi” din Iași.

1990 – 1993 -Lector dr. fiz., Institutul Politehnic Iași.

1987 – 1990 -Asistent dr. fiz., Institutul Politehnic Iași.

1980 – 1983 - Fizician, Institutul de Reactori Nucleari Energetici Pitești.

1984 – 1987 - Fizician, Laboratorul de Inventică al Academiei Române – Filiala Iași.

EDUCAȚIE ȘI FORMARE

2013 -Titlul de doctor „ HONORIS CAUSA” Universitatea „Vasile Alecsandri” Bacău, 2013

1983 - Doctor în Fizică, Facultatea de Fizică Universitatea “Al. I. Cuza” Iași.

1979 – 1980 -Facultatea de Fizică, Universitatea “Al. I. Cuza” Iași – specializarea „Corp Solid pentru Institute de Cercetare” (student);

1975 – 1979 - Facultatea de Fizică, Universitatea “Al. I. Cuza” Iași (student șef de promoție pe țară cu media 9.98).

1970 – 1974 - Liceul Teoretic George Bacovia Bacău (elev).

1962 – 1970 - Școala generală nr. 5 Bacău (elev).

Directii de cercetare: Utilizarea dinamicii neliniare in teoria campurilor, in diferite procese fizice (fizica plasmei, fizica starii condensate, fizica fluidului, teoria particulelor elementare, mecanica cuantica, etc.)

COMPETENȚE PERSONALE

Limba(i) maternă(e) română

Alte limbi străine cunoscute	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Limba engleză	Foarte bine	Foarte bine	Foarte bine	Foarte bine	Foarte bine bine
Limba franceză	bine	Foarte bine	bine	bine	bine

Competențe de comunicare

- Foarte bune competențe de comunicare dobândite prin experiența proprie de cadru didactic
- aptitudini de dialog social
- posibilitatea de a lucra în echipă
- coordonator de programe de cercetare
- participare la parteneriate educative între diferite facultati
- capacitatea de a lucra cu instituțiile statului.

Competențe organizaționale/managieriale

- leadership in cadrul programelor nationale ca Director grant

Competențe dobândite la locul de muncă

1. investigarea științifică structurată, în principal experimentală, a unor fenomene fizice, perceptibile;
2. Explicarea științifică a unor fenomene fizice și a unor aplicații tehnice ale acestora;
3. Interpretarea unor date și informații, obținute experimental sau din alte surse, privind fenomene fizice și aplicații tehnice ale acestora

Competențe digitale

AUTOEVALUARE				
Procesare a informației	Comunica re	Creare de conținut	Securitate	Rezolvare a de probleme
Foarte bine	Foarte bine	Foarte bine	Foarte bine	Foarte bine

Niveluri: Utilizator independent

- o bună cunoaștere a instrumentelor Microsoft Office

Membru in organisme stiintifice internationale/societati profesionale:

1. *European Physical Society*, Geneva, 1984-prezent
2. *The Japan Institute of Metals*, Japonia, 1995 - 1999
3. **Societatea Română de Fizică, România, 1990 - prezent**

Membru in Colegiul de redactie (inclusiv referent) al unei reviste

1. *Journal of Mathematical Physics*, AIP Publishing LLC, ISSN: 0022-2488, IF: 1.234, apariție lunară, (referent)
2. *International Journal of Nonlinear Science*, World Academic Press, ISSN: 1749-3889, IF: -, apariție bilunară (referent)
3. *General Relativity and Gravitation*, Springer Publishers, ISSN: 0001-7701, IF: 1.668, apariție lunară (referent)
4. *Chaos, Solitons and Fractals*, Pergamon-Elsevier Science Ltd., ISSN: 0960-0779, IF: 1.611, apariție lunară (referent)
5. *Physics Letters A*, Elsevier Science BV, ISSN: 0375-9601, IF: 1.677, apariție săptămânală (referent)
6. *Physica Scripta*, IOP Publishing Ltd, ISSN: 0031-8949, IF: 1.194, apariție bilunară (referent)
7. *Nonlinearity*, IOP Publishing Ltd, ISSN: 0951-7715, IF: 1.289, apariție lunară (referent)
8. *Buletinul Institutului Politehnic Iași*, Secția Matematică, Mecanică și Fizică, Universitatea Tehnică „Gheorghe Asachi” din Iași, ISSN: 1224-7863, IF: -, aparitie trimestrială (editor șef)
9. *Journal of Engineering Studies and Research*, Universitatea „Vasile Alecsandri” Bacău, ISSN: 2068-7559, IF: - (membru în comitetul de redacție)
10. Editor șef al revistei *International Journal of Physics* (2008-2012)

Referent stiintific la reviste internaționale:

- *Journal of Mathematical Physics*
- *International Journal of Nonlinear Science*
- *General Relativity and Gravitation*
- *Chaos, Solitons and Fractals*
- *Physics Letters A*
- *Physica Scripta*
- *Nonlinearity*
- *Non-linear dynamics*
- *Complexity*

Editor invitat al revistei *Complexity* pentru numărul special intitulat: „Fractal-Type Dynamical Behaviors of Complex Systems”

Brevete de invenție:

- procedee de obținere a unei baterii activabile cu apă de mare, Sandu I., Vicol O., Agop M., Lupuțiu M., No. 102.105/1990;
- materiale heterojuncționale semiconductoare obținute prin coprecipitare secvențială, Sandu I., Bălan T., Agop M., Furnica E., Anghel I.;

Profesor invitat pentru prelegeri la universitati de prestigiu din strainatate:

- Universitatea Lille I, Departamentul de Fizică, Franța (poziție permanentă din 2009)
- Universitatea din Atena, Grecia, Departamentul de Fizică (1999-2010)
- Universitatea din Innsbruck, Institutul de Ioni și Fizică Aplicată, Austria (2011-prezent)

- Universitatea din Reykjavik, Departamentul de Fizică, Island (2011)
- Universitatea din Hyogo, Laboratorul de Științe Avansate și Tehnologie pentru Industrie, Japonia (2008)

Premii si distinctii internationale:

- „Honorable Mention” acordat de Societatea americană Gravity Research Foundation, Massachusetts, în 1986, pentru Awards for Essays on Gravitation (o lucrare de fizică teoretică)
 - Medalia de aur, Brussels Eureka 94, pentru invenția Materiaux heterojonctionnelles semiconductereous obtenus par coprecipitation sequentielleles , Sandu I., Balan T., Agop M., Furnica E., Anghel I.
- Medalia de aur, Brussels Eureka 94, pentru Pilesactivables a leau, Sandu I., Gulea A., Agop M., Lupuțiu M., Popa L.

Premii si distinctii nationale:

- Premiul de excelență acordat de Uniunea Armenilor din România pentru întreaga activitate (1995)
- Doctor Honoris Causa al Universității „Vasile Alecsandri” din Bacău (2013)

*Din CV trebuie sa rezulte studiile efectuate, calificarea obtinută, specializari, experiența profesională. Acestea trebuie sa fie in concordantă cu disciplinele susținute la programul de studii.

Lista de lucrări în domeniul de studii universitare de licență

Numele și prenumele: AGOP MARICEL

A. Teza de doctorat.

Utilizarea funcțiilor eliptice în studiul unor interacțiuni, în special eliptice și gravitaționale

B. Cărți (manuale, monografiile, tratate, îndrumare etc.) publicate în străinătate.

1. M. Agop, C. Gh. Buzea, A. Zacharias, E. Marinakis. A. Alegris, "Fundaments of Space-Time Theory", Athens University Press, Greece, 1997, 106 pag.
2. "Nonlinearities Phenomena in Materials Science", Ed. M. Agop, N. Răzlescu, G. Kalogirou (ed.), Athens University Press, Greece, 1999, 120 pag.
3. "Non-linearities in Materials Science", Ed. M. Agop, E. Zerikiotis (Athens University Press, 2002), 241 pag.
4. "Particles and Fields", Ed. M. Agop, P.D. Ioannou (Athens University Press, 2005), 323 pag.
5. M. Agop, P.D. Ioannou, P. Vizureanu, "Self-structuring in Nature", Athens University Press, Greece, 2006, 311 pag.
6. "The fractal and its implications in the material science", Ed. M. Agop, P.D. Ioannou, P.N. Edward, V. Păun (Athens University Press, 2008), 213 pag.
7. M. Agop, R. Eugen, M. Gârțu, R. Stana, Unified Superconductivity through a Fractal Space-time Theory "Magnetic Mechanism of Superconductivity in Cooper Oxide", Ed. Tanmoy Das (Nova Publishing, New York, 2011) p. 197-235
8. P. Vizureanu, M. Agop, On the Transport Phenomena in Composite Materials using the Fractal Space-Time Theory "Advances in Composite Materials for Medicine and Nanotechnology" Ed. Brahim Attaf (Intech Publishing Croația, 2011) p. 477-495
9. M. Agop, I. C. Botez, R.S. Luciu, M. Gârțu, Heat Transfer in Nanostructures using the Fractal Approximation of Motion "Two phase flow, phase change and Numerical Modeling" Ed. Amiml Ahsan (Intech Publishing Croația, 2011) p. 451-485
10. M. Agop, The Fractal Space-Time Theory and its Implications "Horizons in World Physics" (vol.: 273) Ed. A. Reirnu (Nova Publishing, New York, 2011) p. 133-171
11. M. Agop, D. Magop, New Considerations in Fractal Space-Time Theory "Clasification and Application of Fractals: New research" Eds. E. W. Mitchell, S. R. Murray (Nova Publishing New York, 2012) p. 131-161
12. M. Agop, D. Magop, S. Bacaita, Fractal Hydrodynamic Model and its Implications "New Developments in hydrodynamics research" Eds. M. I. Ibrajmov, M.A. Anisimov (Nova Publishing New York, 2012) p. 159-211
13. N. Mazilu, M. Agop "Skyrmions. A Great Finishing Touch to Classical Newtonian Phylosophy" Nova Publishing New York, 2012, 230 pag.
14. C.Gh. Buzea, M. Agop, C. Nejneru, Correspondences of Scale Relativity Theory with Quantum Mechanics "Theoretical Concepts of Quantum Mechanics" Ed. M. R. Pahlavani (Intech Publishing Croația, 2012) p. 409-445
15. M. Agop, C. Gh. Buzea, S. Băcăiță, A. Stroe, Quantum Effects through a Fractal Theory of Motion "Advances in Quantum Mechanics" Ed. P. Bracken (Intech Publishing Croația, 2013) p. 723-779
16. M. Agop, N. Teodorescu, Quantum Effect through Non-differentiability of Movements Curves "Contemporary Research in Quantum Systems" Ed. Zoheir Ezziane (Nova Publishing New York, 2014) p. 181-199
17. M. Agop, A. Gavriluț, D. Vasincu, D. Timofte, G. Crumpei, L. Burlea, Possible Correlations among Physical Frame and Quantum Mechanics on Wave-Information-Triad and Cellular Neural Networks via Non-Differentiability "Horizons in World Physics" Ed. Albert Reimer (Nova Publishing New York, 2015), p. 167-205

18. M. Agop, A. Gavriluț, C. Buzea, L. Ochiuz, N. D. Tesloianu, G. Crumpei, C. Popa, Implications of Quantum Informational Entropy in Some Fundamental Physical and Biophysical Models "Selected Topics in Applications of Quantum Mechanics" Ed. M. R. Pahlavani (Intech Publishing Croația, 2015), p. 311-345
19. N. D. Tesloianu, V. Ghizdovăț, M. Agop, "Flow Dynamics via Non-Differentiability and Cardiovascular Disease. A Proposal for an Interdisciplinary Approach between Non-Differentiable Physics and Cardiovascular Morphopathology" Scholars Press, Saabrucken, Germany, 2015
20. I. Mercheș, M. Agop, "Differentiability and Fractality in Dynamics of Physical Systems" World Scientific, 2016,
21. Dan Gh. Dimitriu, M. Agop, Chaos in Plasma Physics "Handbook of Applications of Chaos Theory" Ed. C. H. Skiadas, C. Skiadas (CRC Press Taylor and Francis Group, 2016), p. 321-403

C. Cărți (manuale, monografiile, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS (sau CNCS).

1. M. Agop, N. Mazilu "Fundamente ale fizicii moderne" Editura Junimea Iași, 1989, 179 pag.
2. M. Agop "Probleme de invarianță și haos în teoria mișcării" Editura Gh. Asachi Iași, 1992, 146 pag.
3. M. Agop, N. Mazilu "Fizica procesului de măsură" Editura Ștefan Procopiu, Iași, 1994, 80 pag.
4. M. Agop "Gravitația. Pledoarie pentru o nouă teorie a spațiului și timpului" Editura Graphix, Iași, 1992, 162 pag.
5. C. Cotae, M. Agop, B. Ciobanu "Fizica, vol. 1 – Mecanica și termodinamica clasică" Editura Ștefan Procopiu Iași, 1999, 357 pag.
6. B. Ciobanu, M. Agop, C. Cotae "Fizica, vol. 2 – Optică și electromagnetism" Editura Ștefan Procopiu Iași, 1999, 300 pag.
7. C. Buzea, C. Gh. Buzea, P.D. Ioannou, N. Rezlescu, M. Agop "Fizică pentru ingineri. Supraconductibilitate de înaltă temperatură critică" Editura Ștefan Procopiu Iași, 2001, 294 pag.
8. S. Toma, M. Agop, V. Enache "Tehnici moderne de studiu a interfețelor ca aplicații în stomatologie" Editura Ars Longa Iași, 2006, 242 pag.
9. M. Agop, C. Murguleț "Dinamică neliniară, fulgere globulare și structuri cosmice" Editura Ars Longa Iași, 2006, 136 pag.
10. M. Agop, M. P. Jarcău "Fractalitate și Gravitație" Editura Ars Longa Iași, 2006, 138 pag.
11. M. Agop, C. Rusu, P. Nica, V. Enache "Auto-organizarea interfeței solid-lichid și implicații" Editura Ars Longa Iași, 2007, 179 pag.
12. M. Agop, S. Băcăiță "Spațiul-timp fractalic și straturi duble în plasmă de descărcare" Editura Ars Longa Iași, 2007, 210 pag.
13. Gh. Maftei, M. Buzdugan, M. Agop, I. Mazilu "Gaura neagră între început și sfârșit" Editura Ars Longa Iași, 2007, 176 pag.
14. M. Agop, L.E. Chicoș, "Contribuții la studiul interacțiunii plasmei cu câmpurile fizice" Editura Ars Longa Iași, 2007, 151 pag.
15. S. D. Abăcioaie, M. Agop "Elemente de dinamică neliniară și aplicații" Editura Ars Longa Iași, 2008, 224 pag.
16. M. Buzdugan, S. Rusu, M. Agop "Interacțiuni ale câmpurilor fizice cu materia" Editura Ars Longa Iași, 2008, 200 pag.
17. Z. Borsos, I. Simaciu, M. Hotinceanu, M. Agop "Sisteme stocastice clasice și cuantice" Editura Ars Longa Iași, 2008, 162 pag.
18. V. Enache, M. Agop "Teorii dependente de scală și interacția câmp-materie" Editura Ars Longa Iași, 2008, 166 pag.
19. M. Agop, P. Crăciun "Microfractalitate, macrofractalitate și gravitație" Editura Ars Longa Iași, 2008, 188 pag.
20. M. Agop, A. Stroe "Spațiu-timp fractalic și gravitație" Editura Ars Longa Iași, 2008, 171 pag.

21. V. P. Păun, L. Munteanu, M. Agop Transport phenomena at nanometer scale "Research Trends in Mechanics" Eds. D. Popa, V. Chiroiu, L. Munteanu (Editura Academiei Române, București, 2009) p. 335-354
22. "Haoticitate, Fractalitate și Câmpuri" Editori M. Agop, M. Colotin, V. P. Păun (Editura Ars Longa Iași, 2009) 197 pag.
23. A. Antici, C. Marin, M. Agop "Haos prin stocasticizare" Editura Ars Longa Iași, 2009, 189 pag.
24. S. D. Abăcioaie, M. Agop "Dinamici neliniare și gravitație" Editura Ars Longa Iași, 2009, 171 pag.
25. C. Popa, M. Agop "Gravitația ca teorie gauge și ruperea spontană de simetrie" Editura Ars Longa Iași, 2009, 182 pag.
26. M. B. Răuț, L. Chicoș, R. A. Stana, M. Agop "Predictibilitate și haoticitate în sisteme gravitaționale" Editura Ars Longa Iași, 2009, 138 pag.
27. M. C. Perju, G. Gălușcă, C. Nejnereu, M. Agop "Straturi subțiri: descărcări în impuls" Editura Ars Longa Iași, 2010, 339 pag.
28. N. Cimpoeșu, R. Cimpoeșu, I. Ionașcu, M. Agop "Inteligența materiei din perspectiva aliajelor cu memoria formei" Editura Ars Longa Iași, 2010, 301 pag.
29. M. Buzdugan, M. Gârțu, M. Agop "Interacțiunea câmpului electromagnetic cu alte câmpuri fizice" Editura Ars Longa Iași, 2010, 181 pag.
30. N. Mazilu, M. Agop "La răscrucea teoriilor. Între Newton și Einstein. Universul Barbilian" Editura Ars Longa Iași, 2010, 185 pag.
31. A. Harabagiu, D. Magop, M. Agop "Fractalitate și mecanică cuantică" Editura Ars Longa Iași, 2010, 154 pag.
32. G.V. Muncelleanu, D. Magop, C. Marin, M. Agop "Modele fractale în fizica polimerilor" Editura Ars Longa Iași, 2010, 301 pag.
33. M. Agop "Complemente de dinamică neliniară cu aplicații în fizică și inginerie" Editura Universității Petrol și Gaze Ploiești, 2011, 113 pag.
34. T. Dandu Bibire, D. Magop, C. Marin, M. Agop "Dezordine și regularitate în sisteme gravitaționale" Editura Ars Longa Iași, 2011, 219 pag.
35. O. Niculescu, A. Stroe, C. Marin, M. Agop "Neliniaritate și autoorganizare în plasmă" Editura Ars Longa Iași, 2011, 348 pag.
36. M. B. Răuț, A. Stroe, M. Buzdugan, M. Agop "Probleme actuale ale teoriei gravitației" Editura Ars Longa Iași, 2011, 133 pag.
37. D. Magop, O. Niculescu, A. Stroe, C. Marin, M. Agop "Implicații ale nediferențiabilității în mecanica cuantică" Editura Ars Longa Iași, 2012, 210 pag.
38. A. Costan, M. Agop, N. Forna "Studii avansate privind unele proprietăți ale implanturilor dentare din aliaje de titan" Editura Ars Longa Iași, 2012, 264 pag.
39. M. B. Răuț, C. Musteață, A. Stroe, C. Marin, M. Agop "Aplicații ale metodei funcției Green în Fizică" Editura Ars Longa Iași, 2012, 121 pag.
40. M. Agop, R.S. Luciu, C. Buzea, P. Nica "Utilizarea dinamicii neliniare în modelarea unor procese fizice" Editura Ars Longa Iași, 2012, 138 pag.
41. A. Timofte, M. Agop "Diferențiabilitate și fractalitate în dinamica fluidelor" Editura Ars Longa Iași, 2012, 190 pag.
42. R. I. Lițoiu, D. G. Gălușcă, N. Cimpoeșu, M. Agop "Proprietăți fizice și structurale ale unor polimeri reforșați cu nanotuburi" Editura Ars Longa Iași, 2012, 198 pag.
43. A. Aluculesei, C. Baci, M. Agop "Biopolimeri nanostructurați. Proprietăți și aplicații" Editura Ars Longa Iași, 2012, 232 pag.
44. A. Gavriluț, M. Agop "O abordare matematică în dinamica sistemelor complexe" Editura Ars Longa Iași, 2013, 130 pag.
45. V. R. Radu, M. Agop "Sisteme complexe" Editura Ars Longa Iași, 2013, 169 pag.
46. E. Poll, M. Agop "Efecte neliniare în plasmă de descărcare și ablație" Editura Ars Longa Iași, 2013, 141 pag.
47. M. B. Răuț, V. Radu, C. Marin, M. Agop "Știința noastră cea de toate zilele" (vol. 1) Editura Ars Longa Iași, 2013, 159 pag.
48. M. Agop, P. Vizureanu, C. Buzea, C. Marin "Pseudo-AND-ul materialelor inteligente" Editura Ars Longa Iași, 2014, 252 pag.
49. R.A. Stana, B.A. Stana, P.E. Nica, M. Agop "Dinamici fractale în nanostructuri" Editura Ars Longa Iași, 2014, 166 pag.

50. D. Mihăileanu, M. Agop "Neliniaritate în sisteme fizice complexe" Editura Ars Longa Iași, 2015, 118 pag.
51. M. Boicu, M. Agop "Haos și autostructurare în sistemele fizice dependente de scală" Editura Ars Longa Iași, 2015, 105 pag.
52. M. B. Răuț, A. Răuț, M. Agop "Știința noastră cea de toate zilele" (vol. 2), Editura Ars Longa Iași, 2015, 122 pag.
53. L. Marin, V. D. Mereuță, M. Agop "Efecte neliniare în sisteme complexe" Editura Ars Longa Iași, 2015, 135 pag.
54. I. Lăzărescu, C. Nejneru, D. G. Gălușcă, M. Agop, M. C. Perju, D. Lăzărescu "Tratarea suprafețelor metalice utilizând o nouă tehnologie duplex" Editura Tehnopress, Iași, 2015, 271 pag.
55. A. Gavriliuț, M. Agop "An introduction to the mathematical world of atomicity through a physical approach" Editura Ars Longa Iași, 2016, 169 pag.
56. M. B. Răuț, M. Agop "Știința noastră cea de toate zilele" (vol. 3) Editura Ars Longa Iași, 2016, 174 pag.
57. G. Crumpei, A. Gavriliuț, I. Crumpei Tănasă, M. Agop "New Paradigms on Information, Reality and Mind. A Transdisciplinary perspective" Editura Junimea Iași, 2016, 223 pag.
58. Maricel Agop, Alina Gavriliuț, Călin Buzea, Lăcrămioara Ochiuz, Dan Tesloianu, Gabriel Crumpei and Cristina Popa „Implications of Quantum Informational Entropy in Some Fundamental Physical and Biophysical Models” InTech, 2018
59. Maricel Agop, Ioan Merches” Operational Procedures Describing Physical Systems 1st Edition” Ed. Taylor&Francis Group, CRC Press, 2018, 224 pag.

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local; anexa V.3

1. Maricel Agop, Nicolae Mazilu - Fundamente ale fizicii moderne-, Editura: Junimea,1989,179 pg., ISBN/Cod: 973-37-0026-6;
2. Maricel Agop, Mihaela Pitu Jarcau - Fractalitate si gravitatie -, Ars Longa, ISBN:987- 973-8912-40-3, 2006, 137 Pag.;
3. Viviana Rodica Radu, Maricel Agop - SISTEME COMPLEXE, Editura: ARS LONGA , 180 pagini, 2013
4. Maricel Agop, Petrică Vitureanu, Călin Buzea, Corina Marin – PSEUDO-ADN-UL MATERIALELOR INTELIGENTE, ISBN 978-973-148-165-4, 254 p., 2014, Ed.Ars Longa;
5. Alina Gavriliuț, Maricel Agop – O ABORDARE MATEMATICĂ ÎN DINAMICA SISTEMELOR COMPLEXE, ISBN 978-973-148-152-4, 132 p., 2013, Ed.Ars Longa;
6. Mugur Bogdan Răuț, Viviana Radu, Corina Marin, Maricel Agop – ȘTIINȚA NOASTRĂ CEA DE TOATE ZILELE (Vademecum) ISBN: 987- 973-148-140-1, vol. I, ISBN 987- 973-148-141-8, 160 p., 2013, Ed.Ars Longa;
7. Maricel Agop, Cristian Murguleț - DINAMICĂ NELINIARĂ, FULGERE GLOBULARE ȘI STRUCTURI COSMICE, ISBN: 978-973-8912- 53-3, 2006, Ed.Ars Longa;
8. Iuliana Toma, Maricel Agop, Vlăduț Enache - TEHNICI MODERNE DE STUDIU A INTERFEȚELOR CU APLICAȚII ÎN STOMATOLOGIE, ISBN: 978-973-8912-47-2, 2006, Ed.Ars Longa;
9. Maricel Agop, Liliana-Elena Chicoș - CONTRIBUȚII LA STUDIUL INTERACȚIUNII PLASMEI CU CÂMPURILE FIZICE, ISBN: 9780973-8912-78-6, apărut 2007, Ed.Ars Longa;
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Proceedings of the Romanian Academy Series A-Mathematics Physics technical sciences information science **17**, 117-125 (2016) Editura Acad Romane, Bucuresti, Romania

12. Ion Palamarciuc, Dan Gelu Galusca, Monica Ratoi, Brian Mellor, Cătălin Gabriel Dumitraș, Maricel Agop

„Intergranular degradation of stainless steel tubular components used for kerosene transportation. Metallographic analysis”

Conference: 8th International Conference on Manufacturing Science and Education (MSE) - Trends in New Industrial Revolution Location: Sibiu, ROMANIA Date: JUN 07-09, 2017

Sponsor(s): Lucian Blaga Univ Sibiu, Fac Engn, Ind Engn & Management Dept; Lucian Blaga Univ Sibiu, Fac Engn, Ind Machines & Equipment Dept

8TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2017) - TRENDS IN NEW INDUSTRIAL REVOLUTION Book Series: MATEC Web of Conferences Volume: 121 Article Number: UNSP 09007 Published: 2017

13. Irina Nica ; Petru-Edward Nica ; Vlad Ghizdovăț ; Maricel Agop

„New Mathematical Procedures in the Investigation of Biological Nanostructure Dynamics”

Conference: 6th IEEE International Conference on E-Health and Bioengineering (EHB) Location: Sinaia, ROMANIA Date: JUN 22-24, 2017

Sponsor(s): IEEE; IEEE EMB Romania Chapter; Romanian Acad, Iasi Branch, Inst Comp Sci; Grigore T Popa Univ Med & Pharmacy; IEEE Romania Sect; Inst Informatica Teoretica; ESC Working Grp e Cardiol; Romanian Soc Med Bioengineering; Grigore T Popa Univ Med & Pharmacy, Fac Med Bioengineering; IEEE EMC Romania Chapter

2017 IEEE INTERNATIONAL CONFERENCE ON E-HEALTH AND BIOENGINEERING CONFERENCE (EHB) Book Series: E-Health and Bioengineering Conference Pages: 97-100 Published: 2017

14. Irimiciuc, S.; Bulai, G.; Agop, M.;

„Influence of laser-produced plasma parameters on the deposition process: in situ space- and time-resolved optical emission spectroscopy and fractal modeling approach” APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 124 Issue: 9 Article Number: 615 Published: SEP 2018

J. Invenții.

- Procedee de obținere a unei baterii activabile cu apă de mare, Sandu I., Vicol O., Agop M., Lupuțiu M., No. 102.105/1990;

- Materiale heterojuncționale semiconductoare obținute prin coprecipitare secvențială, Sandu I., Bălan T., Agop M., Furnica E., Anghel I.;

Cerere brevet invenție – Aerogel polimeric fotoluminescent cu conținut de nanostructuri de carbon utilizabil în surse de lumină.

C.S. Stan, P. Horlescu, M. Agop, C.A. Peptu, S. E. Bacaïta

K. Contracte de cercetare/granturi.

1. Pachet de programe bazat pe algoritmi genetici și rețele neuronale cu aplicații în fizica supraconductorilor ceramic/CERES-57 /2002 / MEC
2. Sisteme avansate de reconstrucție a formei și de determinare a parametrilor fizico-mecanici a obiectelor 2D și 3D în materiale compozite multistrat utilizând tehnici de ultrasunete; aplicații/CERES-2661P /2003 / MEC
3. Metoda fluctuațiilor și teoria descărcării corona. Aplicație la scăderea energiei specifice a generatoarelor de ozon/RELANSIN 1916P/2004/MEC
4. Modelarea proceselor fizico-chimice în elaborarea unei metode noi, ecologice, de obținere a titanului/CNCSIS 78GR/2006/ MEC
5. Proiecte PN III Proiect experimental demonstrativ

„O NOUA ABORDARE A DISPOZITIVELOR DE ILUMINAT EFICIENTE ENERGETIC, BAZATA PE AEROGELURI SI CARBON DOTS” Cod proiect PN-III-P2-2.1-PED-2016-0760 Contract finanțare: 77PED/2017, Proiect finanțat în cadrul PN-III-P2-2.1-PED-2016 de către UEFISCDI

L. Premii, distincții.

Premii și distincții internaționale:

- „Honorable Mention” acordat de Societatea americană Gravity Research Foundation, Massachusetts, în 1986, pentru Awards for Essays on Gravitation (o lucrare de fizică teoretică)
 - Medalia de aur, Brussels Eureka 94, pentru invenția Materiaux heterojonctionnelles semiconductoreuses obtenus par coprecipitation sequentielle, Sandu I., Balan T., Agop M., Furnica E., Anghel I.
- Medalia de aur, Brussels Eureka 94, pentru Piles activables à l'eau, Sandu I., Gulea A., Agop M., Lupuțiu M., Popa L.

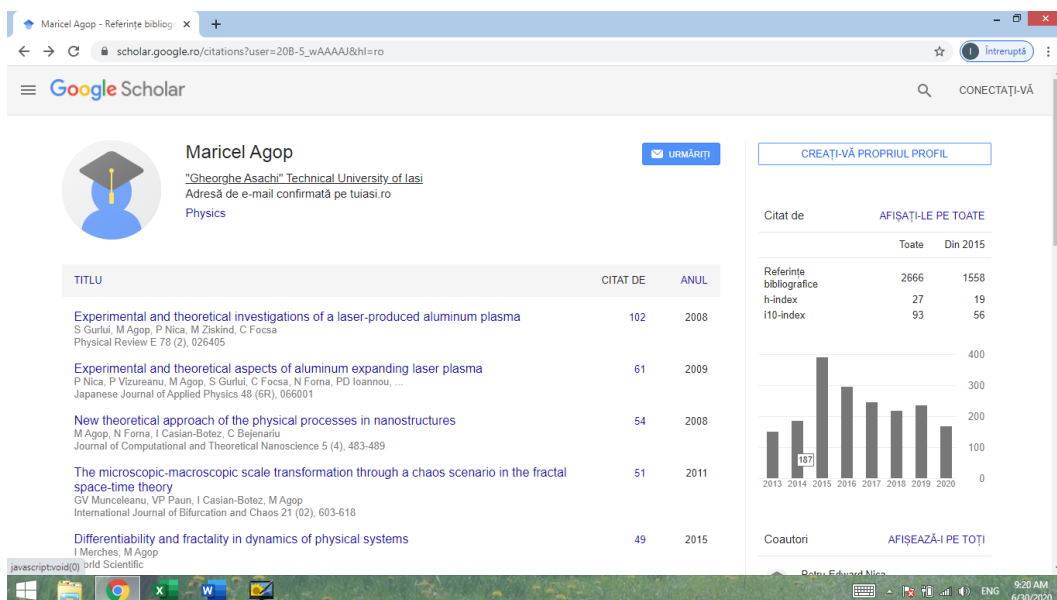
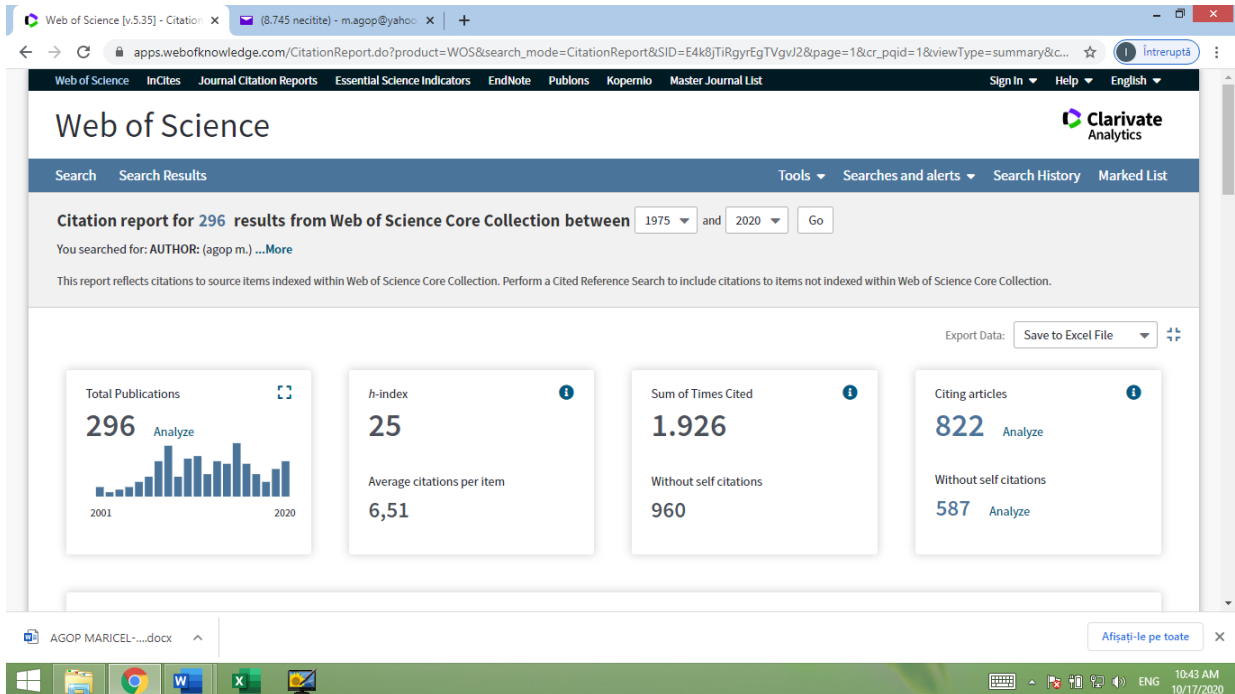
Premii și distincții naționale:

- Premiul de excelență acordat de Uniunea Armenilor din România pentru întreaga activitate (1995)
- Doctor Honoris Causa al Universității „Vasile Alecsandri” din Bacău (2013)

M. Alte realizări semnificative.

➤ **Indicatori de performanta in cercetare stiintifica: peste 296 lucrari publicate in reviste de specialitate cotate ISI**

➤ **h-index: 25 Web of Science**



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- Laboratoire de Physique des Lasers, Atomes et Molécules UMR 8523

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