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LUCR RI RELEVANTE

ISI Thomson Reuters (cu factor de impact)

1. Absorbed dose distributions using the isodensitometric method for exposures with filter employed for mammographies - *F. Scarlat, A. Scarisoreanu, N. Verga* - Romanian Reports in Physics 65 (1), 168-177, 2013 (IF=1,2013)
2. Calculation of externally applied electric field intensity for disruption of cancer cell proliferation - *D. Sardari and N. Verga* - Electromagn Biol Med. 2010 Jun;29(1-2):26-30. doi: 10.3109/15368371003635400 (IF₂₀₁₀=1.041 Citat de 4 ori)
3. Eye protontherapy: proposed feasibility plan -*N. Verga, I. Ursu, Liviu Craciun, D.A. Mirea, R. Vasilescu, Gh. Cata-Danil, Andreea Groza, M. Ganciu, F. Scarlat, C.A. Stan, S.F. Zarma* - Romanian Reports in Physics Volume 66, Number 1, 2014 (IF=1,517)
4. Foreword - *N. Verga* - Romanian Reports in Physics Volume 66, Number 1, P.3-4, 2014, (IF¹=1,517)
5. Implementing BNCT through the use of an electron accelerator - *S.F. Zarma, D.A. Mirea, I. Busca, M.N. Poroschianu, N. Verga* - Romanian Reports in Physics Volume 66, Number 1, 2014 (IF=1,517)
6. Magnetic Nanoparticles for Magneto-Resonance Imaging and Targeted Drug Delivery - *Jenica Neamtu, Nicolae Verga* - Digest Journal of Nanomaterials and Biostructures Vol. 6, No. 3, July – September 2011, p. 969 - 978 (ISI in iunie 28, 2011 = 2.079)
7. Optical coherence tomography in oncological imaging- *N. Verga, D.A. Mirea, I. Busca, M.N. Poroschianu, S.F. Zarma, L. Grinisteanu, A. Anica, C.A. Gheorghe, C.A. Stan, M. Verga, R. Vasilache* - Romanian Reports in Physics Volume 66, Number 1, 2014, (IF²=1,517)
8. The algorithm of interpreting human life EMF effects - *Nicolae Verga* - September 15, 2007- Rev. Roum. Sci. Techn.– Électrotechn. et Énerg., 53,2, Bucarest, 2008 (Impact Factor: 0.368)

¹ <http://rrp.infim.ro/index.html>, RRP in Web of Science, 2014 Impact factor 1.517

² <http://rrp.infim.ro/index.html>, RRP in Web of Science, 2014 Impact factor 1.517

9. Proposal for a new type of accelerator for electrons and protons - *Nicolae Verga, Florea Scarlat, Madalina Croitoru* - Romanian Reports in Physics Volume, Number, (acceptat pentru publicare 2017, IF₂₀₁₆=1)
10. Absorbed dose determination in conventional and laser-driven hadron clinical beams using electrical charge measurements - *F. Scarlat, N. Verga, A. Scarisoreanu, E. Badita, M. Demeter, E. Stancu, C. Vancea, Fl. Scarlat* - Romanian Reports in Physics, Vol. 68, No. 1, P. 210–219, 2016 (IF=1)
11. Advantages of laser photoacoustic spectroscopy in radiotherapy characterization - *C. Popa, N. Verga, M. Patachia, S. Banita, C. Matei, D. Dumitras* - Romanian Reports in Physics Volume 66, Number 1, 2014 (IF=1,517)
12. Physical modeling of cancer tumor growth: a preliminary review- *Dariush Sardari, Nicolae Verga, Azim Arbabi, Ahmad Ameri, Soodeh Amirifar* - Australian Journal of Basic and Applied Sciences, 3(4): 3531-3536, 2009 - ISSN 1991-8178 - © 2009, INSInet Publication (The most recent Impact Factor for International Journal of Basic and Applied Sciences is 1,2001 according to 2012 Universal Impact Factor released in 2013)³
13. Residual radioactivity induced by protons and 12C ions in biomedical materials - *A. Mihailescu, N. Verga, M. A. Popovici, L. Strasser, D. Filipescu, Gh. Cata-Danil* - Romanian Reports in Physics, Vol. 63, No. 3, P. 729–740, 2011 (IF=0,5)

TEZE DOCTORAT

1. **“Eficien a radioterapiei în tumorile solide ale esuturilor moi “– teză de doctorat în radioterapie - Universitatea de Medicină și Farmacie „Carol Davila”, Catedra de radioterapie, București 2000**
2. **“Răspunsul la iradierea în câmp electromagnetic pulsant a unor sisteme biologice la nivel celular și subcelular „, teză de doctorat în biochimie – Universitatea de Medicină și Farmacie „Carol Davila”, Centrul de Cercetări Interdisciplinare, Spitalul Clinic Fundeni 1998**

Brevete de invenție

- 1) BREVET DE INVENȚIE 00122439/ A61K 49/10 - Material nanocompozit magnetic și procedeu de obținere a acestuia - Neamtu Jenica, RO; Kappel Wilhelm, RO; Georgescu Gabriela, RO; Verga Nicolae, RO; Jitaru Ioana, RO; Iovu Horia, RO; Malaeru Teodora, RO
- 2) BREVET DE INVENȚIE R0119765B1, „Metoda de diagnostic diferențial între tesuturile tumorale maligne și restul tesuturilor normale și patologice - Verga Nicolae, RO;
- 3) BREVET DE INVENȚIE R0118932B1 Procedeu și instalație pentru vehiculare electromagnetică țintită a unei substanțe cu tropism celular - Verga Nicolae, RO;
- 4) BREVET DE INVENȚIE R0118847B1 Instalație și metoda pentru iradiere cu radiații ionizate în câmp electric pulsant - Verga Nicolae, RO;
- 5) BREVET DE INVENȚIE 00107538 / A61B 6/00 Metodă și instalație radiologică, de analiză calitativ structurală, a materiei vii - Pan Ion, RO; Verga Nicolae, RO; Gherghescu Gh. Gheorghe Gabriel, București, RO

Cări și capitole în cărți de specialitate

CURRENT CANCER TREATMENT - NOVEL BEYOND CONVENTIONAL APPROACHES- Edited by Öner Özdemir, ISBN 978-953-307-397-2, 826 pages, Publisher: InTech, Chapters published December 09, 2011 under CC BY 3.0 license - DOI: 10.5772/897 - Chapter 21 Cancer Treatment with Hyperthermia - by Dariush Sardari and **Nicolae Verga**

³ Citations (8) Cited In (2) Dataset: A Study of Population Dynamics of Normal and Immune Cells in Presence of Tumor Cells - Ahmad Naseem, Gurpreet Kaur
Article: A Study of Population Dynamics of Normal and Immune Cells in Presence of Tumor Cells - Ahmad Naseem, Gurpreet Kaur - IJSER. 04/2013; 4(4).

Tratat in edituri nationale

- I. (autor) **RADIOTERAPIE ONCOLOGICA** - curs -vol I- Ed. Universitara „Carol Davila” Bucure ti - 2009, ISBN 978-973-708-401-9 (in curs de aparitie Vol. II si Vol. III)
- II. (autor) **CABINET MEDICAL DE RADIOTERAPIE - PLAN DE FEZABILITATE - PROBLEME DE MANAGEMENT MEDICAL INTEGRAT** - Ed. Universitara „Carol Davila” Bucuresti - 2009- ISBN 978-973-708-402-6

Monografie/alte carti in edituri nationale – autor unic sau prim-autor

- 1) (editor) **Radiotherapy with neutron and proton beams . Inter- and multidisciplinary R&D (carte si CD)- The 1st Romanian Society of Hadrontherapy Workshop** - Predeal, Romania, February 27- March 01, 2009 - Ed. Universitara „Carol Davila” Bucure ti - 2009, ISBN-978-973-708-408-8
- 2) (editor) **ICRSH 2013 - 1ST ANNUAL CONFERENCE OF THE ROMANIAN SOCIETY OF HADRONTHERAPY** - Predeal, Romania, February 21-24, 2013- Ed. Universitara „Carol Davila” Bucure ti - 2013, ISBN-978-973-708-682-2

Articole in extenso publicate în reviste cotate ISI Thomson Reuters (cu factor de impact), in revistele si volumele unor manifestari stiintifice indexate in alte BDI, sau în reviste din ar recunoscute de catre CNCSIS (cel puțin categoria B):

Baze de date internationale (BDI)

- 1) Estimation of the Radioactivity Produced in Patient Tissue during Carbon Ion Therapy - Sardari Dariush, **Verga Nicolae**, Saidi Pooneh - *Modern Applied Science*⁴ 04/2010; ISSN: 19131844, 19131852
- 2) The response of LiF:Mg,Ti detectors in a 7 MeV beam C.Craciun, M.Sahagia, C.Turcus, A.Stochioiu, D.Aranghel, F.Scarlat, **N. Verga** 2000 *Rom.Jour.Phys.*⁵45, pag 121, 1-2 ISSN 1221-146X-
- 3) Absorbed dose determination in conventional and laser – driven clinical hadron beams - *F. Scarlat N. Verga, A. Scarisoreanu, E. Badita, M. Dumitrascu E. Stancub, C. Vancea* - *Journal Of Intense Pulsed Lasers And Applications In Advanced Physics*⁶ Vol. 3, No. 2, p. 15 - 25, 2013

CNCSIS

1. Eficienta hadronoterapiei in tumorile solide ale extremitatii cefalice. Osteosarcom mandibular. Neurinom de acustic. Prezentari de caz - Verga N. - *Revista Romana de ORL* -2005 - ISSN 1583-9443
2. Cancerul pulmonar (carcinoame) - Atitudini de preferat ale medicilor non - oncologi - Verga N. - *Pneumo.Ro* 2006 ISSN 1584-3513
3. Hadronoterapia, un nou mijloc terapeutic antineoplazic - Verga N. - *Revista Romana de ORL* - 2005- ISSN 1583-9443
4. Tehnologii avansate in radioterapia mondiala - F. Scarlat, N. Baboi, E. Popescu, C. Ro ca, N. Verga - *Oncologia si Radioterapia*, Vol. XXXIII, nr 2-3,1996
5. Algoritmi diagnostici in oncologie - Florea, Verga N.. - *Revista Medicala* - Ed. National - 2002
6. Cancerul prostatei, diagnostic, monitorizare, prognostic - Florea, Verga N.. - *Revista Medicala* - Ed. National – 2002

⁴ Revista este indexat în: CABI; Chemical Abstracts database; EBSCOhost; Excellence in Research for Australia (ERA); Google Scholar; LOCKSS; NewJour; Open J-Gate; Polish Scholarly Bibliography (PBN); SHERPA/RoMEO; Standard Periodical Directory; Ulrich's; Universe Digital Library; (<http://ccsnet.org/journal/index.php/mas/about/editorialPolicies#custom-0>)

⁵ Revista este indexat în: ISI Web of Science (WoS) (<http://journals.indexcopernicus.com/Romanian+Journal+of+Physics,p4245,3.html>)

⁶ Revista este indexat în: JOURNALS FOR FREE (<https://journals4free.com/?q=Journal+Of+Intense+Pulsed+Lasers+And+Applications+In+Advanced+Physics++ISSN+2069++8631&x=15&y=7>)

Studii publicate in rezumat in reviste cotate ISI Thomson Reuters (cu factor de impact) sau in reviste si volumele unor manifestari stiintifice cu ISBN/ISSN

Reviste/volumele unor manifestari stiintifice cu ISBN/ISSN

- 1) A physical model for study of electromagnetic field interaction with cancer cell - Sardari Dariush, **Verga Nicolae**, -PIERS 2008 in Hangzhou Progress in Electromagnetics Research Symposium 24-28 March 2008 Hangzhou, China - ISSN 1559-9450, PROCEEDING ISBN 978-1-934142-04-2, ABSTRACTS ISBN 978-1-934142-03-5
- 2) ABSORBED DOSE DETERMINATION METHOD FOR CLINICAL PROTON BEAMS - A. Scarisoreanu ,F. Scarlat, **N. Verga** - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 - "CAROL DAVILA " UNIVERSITY PRESS - ISBN 978-973-708-682-2
- 3) ADVANTAGES OF LASER PHOTOACOUSTIC SPECTROSCOPY IN RADIOTHERAPY CHARACTERIZATION - C. Achim, A. M. Bratu, C. Matei, M. Petrus, M. Patachia, S. Banita, **N. Verga**, and D. C. Dumitras - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 - "CAROL DAVILA " UNIVERSITY PRESS - ISBN 978-973-708-682-2
- 4) ALGORITHM OF HUMAN BEEN EMF EFFECTS INTERPRETATION - **Nicolae Verga** - 4th International Workshop Of ELECTROMAGNETIC COMPATIBILITY CEM 2007 - North University of Baia Mare ROMANIA September, 18 -19, 2007 -ISBN -978-973-718-782-6
- 5) Bioelectromagnetic compatibility and computational biology model - **Nicolae Verga** - The 3rd workshop of electromagnetic compatibility CEM 2006- Iasi, sept 2006 - ISBN 973-718-529-3
- 6) Calculation method for effective dose and ambient dose equivalent using particle fluence - The First International Workshop of ROMANIAN SOCIETY OF HADRONTHERAPY ; "RADIOTHERAPY WITH NEUTRON AND PROTON BEAMS, INTER- AND MULTI-DISCIPLINARY R&D" -PREDEAL, ROMANIA, February 27th -March 1st, 2009 Florea Scarlat, Anca Scarisoreanu, Eugenia Badita, Ecaterina Mitru, **Nicolae Verga** - ISBN-978-973-708-408-8
- 7) CHARACTERISTICS AND FUNCTIONS OF THE BIOLOGICAL CHANNEL AND THEIR APPLICATION IN COMPUTATIONAL BIOLOGY AND COMPUTATIONAL ONCOLOGY - Poroschianu M.N., Busca I., Zarma S.F., Grîni teanu Laura, Gheorghe Cristina Adelina, Anica A Mirea D.A., **Verga N.** 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 - "CAROL DAVILA " UNIVERSITY PRESS - ISBN 978-973-708-682-2
- 8) OPTICAL COHERENCE TOMOGRAPHY IN ONCOLOGICAL IMAGING - Mirea D.A., Busca I, Poroschianu M.N, Zarma S.F, Grînisteanu L, Anica A, Gheorghe C.A, Stan C.A, Verga M, Vasilache R, **Verga N.** - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 - "CAROL DAVILA " UNIVERSITY PRESS - ISBN 978-973-708-682-2
- 9) Compatibilitate bioelectromagnetica. - **Nicolae Verga** - Workshop compatibilitate electromagnetica - ICPE - Cercetari Avansate SA, Comitetul Electrotehnic Roman (CER), Ministerul Educatiei i Cercetarii (MEC) -sept 2004- ISBN 973-9463-84-3
- 10) MEDICINE AND BIOLOGY, CENTERS FOR HADRONTHERAPY- ST FEASIBILITY PLAN (DRAFT) -**Nicolae Verga** MD,PhD - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 - "CAROL DAVILA " UNIVERSITY PRESS - ISBN 978-973-708-682-2
- 11) PERSPECTIVES OF LASER DRIVEN PT AND THE ASCEND OF COMPACT PROTON ACCELERATORS - Radu A. Vasilache, **Nicolae Verga**, Andreea Groza, Agavni Surmeian, Constantin Diplasu and Mihai Ganciu - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 - "CAROL DAVILA " UNIVERSITY PRESS - ISBN 978-973-708-682-2

- 12) POTENTIAL PARAMETERS OF LASER-DRIVEN ION BEAMS FOR HADRON-BASED TUMOR THERAPY - ,F. Scarlat, **N. Verga**, M. Dumitrascu, Fl. Scarlat - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 - "CAROL DAVILA " UNIVERSITY PRESS - ISBN 978-973-708-682-2
- 13) Romania, a new country in the European and international orbit of Hadrontherapy - **Nicolae Verga** - The First International Workshop of ROMANIAN SOCIETY OF HADRONTHERAPY ;"RADIOTHERAPY WITH NEUTRON AND PROTON BEAMS, INTER- AND MULTI-DISCIPLINARY R&D"-PREDEAL, ROMANIA, February 27th - March 1st, 2009 - ISBN-978-973-708-408-8
- 14) SECONDARY EFFECTS IN HADRONTHERAPY- Protons & Neutrons-- **Nicolae Verga** - The First International Workshop of ROMANIAN SOCIETY OF HADRONTHERAPY ; "RADIOTHERAPY WITH NEUTRON AND PROTON BEAMS, INTER- AND MULTI-DISCIPLINARY R&D"-PREDEAL, ROMANIA, February 27th -March 1st, 2009 - ISBN-978-973-708-408-8
- 15) Targets and mechanisms in bioelectromagnetic compatibility - **Nicolae Verga** - The second workshop in bioelectromagnetic compatibility - sept. Cluj-Napoca, Romania - ISBN 973- 718-307-X
- 16) THE HOST VOLUME; ANATOMY, IMAGING DYNAMICS AND TREATMENT TARGETS IN UTERINE AND PROSTATE CANCERS - Busca I, Zarma F.S, Poroschianu M.N, Grîni teanu L, Gheorghe C.A, Anica A, Stan C.A, Vasilache R, Verga M, Mirea D.A, **Verga N.**, - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 - "CAROL DAVILA " UNIVERSITY PRESS - ISBN 978-973-708-682-2
- 17) THE IIND INTERNATIONAL CONFERENCE OF THE ROMANIAN SOCIETY OF HADRONTHERAPY - editor N. Verga - FEBRUARY 25-28, 2016; SINAIA, Romania – ISSN 2537 – 3846
- 18) Management principles of the radiotherapy unit - Lucian Bratu, Bogdan Radu, Liliana Antoaneta Bucur, Lucian Miron, Anca Munteanu, Constantin Volov , Nicolae Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania– ISSN 2537 – 3846
- 19) Hybrid imaging system for tumor monitoring associated with radiation therapy - C. Matei, D.C. Dumitras, N. Verga, M. Patachia, S. Banita, S. Miclos, S. Dontu - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania– ISSN 2537 – 3846
- 20) Romanian nuclear physics heritage - A. Rotaru, D.G. Ghita, M. Straticiu, I. Burducea, D.A. Mirea, N. Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania– ISSN 2537 – 3846
- 21) Proposal for a new type of accelerator for electrons and protons - Nicolae Verga, Madalina Croitoru, Florea Scarlat - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania– ISSN 2537 – 3846
- 22) The characteristics of biological systems, biological channel theory and mathemabiology - Iulia Voicu , Liliana Voicu , Andreea Hogeia , Alexandra Sora , Andrei Mavrodineanu , Alina Elena Aldea, Liliana Antoaneta Bucur, Lucian Miron , D.A. Mirea, Nicolae Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania– ISSN 2537 – 3846
- 23) Stability and variability of biological channels at the interaction with ionising and non-ionising radiation - Liliana Voicu, Iulia Voicu, , Andreea Hogeia , Alexandra Sora, , Andrei Mavrodineanu , Alina Elena Aldea, Liliana Antoaneta Bucur, Alina

Raicu, Lucian Miron , D.A. Mirea , Nicolae Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania– ISSN 2537 – 3846

- 24) Implementing hadrontherapy in Romania. The cyclinac solution - D.A. Mirea, D.G. Ghita, M. Straticiu, I. Burducea, A. Rotaru, N. Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania– ISSN 2537 – 3846
- 25) Use of hyperthermia in radiotherapy – benefits and limitation - Lucian Bratu, Bogdan Radu, Elena Alina Aldea, Lucian Miron, Anca Munteanu, Constantin Volov , Nicolae Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania– ISSN 2537 – 3846

ALTE LUCR RI SI CONTRIBUTII STINTIFICE

Prezentari invitate in plenul unor manifestari stiintifice internationale

- 1) A New Youngness Of External Radiotherapy ; Problems And Possible Way To Solve - Innovative Treatment Concepts for Liver Metastases -- N. Verga - 7-9 December 2006, University Hospital Essen, Germania
- 2) A Physical Model For Study Of Electromagnetic Field Interaction With Cancer Cell - D. Sardari N. Verga - PIERS 2008 in Hangzhou Progress in Electromagnetics Research Symposium 24-28 March 2008 Hangzhou, China - ISSN 1559-9450, PROCEEDING ISBN 978-1-934142-04-2, ABSTRACTS ISBN 978-1-934142-03-5
- 3) Absorbed Dose Determination in Conventional and Laser – Driven Hadron Clinical Beams Using Electrical Charge Measurements - F. Scarlat, N. Verga, A. Scarisoreanu, E. Badita, M. Dumitrascu, E. Stancu, Fl. Scarlat - 10th International Congress on Electrical Metrology September 25-27, 2013 -X SEMETRO- Buenos Aires, Argentina
- 4) Absorbed Dose Determination Method For Clinical Proton Beams - A. Scarisoreanu ,F. Scarlat, N. Verga - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 -
- 5) Advantages Of Laser Photoacoustic Spectroscopy In Radiotherapy Characterization - C. Achim, A. M. Bratu, C. Matei, M. Petrus, M. Patachia, S. Banita, N. Verga, and D. C. Dumitras - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 -
- 6) Algorithm Of Human Been Emf Effects Interpretation - - N. Verga - 4th International Workshop Of ELECTROMAGNETIC COMPATIBILITY CEM 2007 - North University of Baia Mare ROMANIA September, 18 -19, 2007 -ISBN -978-973-718-782-6
- 7) Calculation method for effective dose and ambient dose equivalent using particle fluence - The First International Workshop of ROMANIAN SOCIETY OF HADRONTHERAPY ; “RADIOTHERAPY WITH NEUTRON AND PROTON BEAMS, INTER- AND MULTI-DISCIPLINARY R&D” -PREDEAL, ROMANIA, February 27th -March 1st, 2009 Florea Scarlat, Anca Scarisoreanu, Eugenia Badita, Ecaterina Mitru, Nicolae Verga -
- 8) CANCER EPIDEMIOLOGY IN ROMANIA AND WESTERN COUNTRIES, THE RATIONALE FOR ENRICHMENT THE METHODS AND FACILITIES FOR CANCER DIAGNOSTIC AND TREATMENT Nicolae I. Verga , Radu Mitrica --HADRONTHERAPY, KNOWLEDGE AND EVIDENCES The Second International Workshop of The Romanian Society of Hadrontherapy - November 12-14, 2010, Cindrel Hotel, Paltinis, Sibiu, ROMANIA
- 9) Characteristics And Functions Of The Biological Channel And Their Application In Computational Biology And Computational Oncology - Poroschianu M.N., Busca I., Zarma S.F., Grîni teanu Laura, Gheorghe Cristina Adelina, Anica A Mirea D.A., Verga N. - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013
- 10) CONCEPT FOR A LINAC-BASED SEEDED FEL PROJECT AT INFLPR F. Scarlat, R. Minea, A. Scarisoreanu, E. Badita, E. Mitru, M. Dumitrascu E. Sima, E. Stancu, C. Vancea ,

- I.V. Popescu, V. Cimpoa, C. Oros, M. Voicu, M. Leonovici, N. Verga --
HADRONTHERAPY, KNOWLEDGE AND EVIDENCES The Second International
Workshop of The Romanian Society of Hadrontherapy - November 12-14, 2010, Cindrel
Hotel, Paltinis, Sibiu, ROMANIA
- 11) Evaluation of pirophosphate HEDSPA, MDP as agent for bone system - lucrari acceptate - -
V.V. Lungu, G. Mihailescu, N. Verga -AIII - lea congres balcanic de oncologie - BUON -
IZMIR, TURCIA sept. 1998
 - 12) EXTERNAL NEUTRON THERAPY IN SALIVARY GLAND TUMOURS, ADVANCED
BREAST CANCER, UTERINE SARCOMA, IRRESECTABLE NECK NODES &
MAXILLARY SINUS TUMOURS, RESULTS - Fred Vernimmen , Clare Stannard &
collab. (ED. presented by Nicolae Verga) - -HADRONTHERAPY, KNOWLEDGE AND
EVIDENCES The Second International Workshop of The Romanian Society of
Hadrontherapy - November 12-14, 2010, Cindrel Hotel, Paltinis, Sibiu, ROMANIA
 - 13) Hadrontherapy - - N. Verga, D. Sardari - Iranian Congress Of Oncology - Imam Khomeini
Medical Center Tehran, R.I. Iran Oct.2006 -
 - 14) HADRONTHERAPY AT JINR DUBNA, PROTON THERAPY IN HEAD AND NECK
TUMORS, DUBNA EXPERIENCE - - Evgheny Luchin - (ED. - presented by Nicolae
Verga) - -HADRONTHERAPY, KNOWLEDGE AND EVIDENCES The Second
International Workshop of The Romanian Society of Hadrontherapy - November 12-14, 2010,
Cindrel Hotel, Paltinis, Sibiu, ROMANIA
 - 15) Hadrontherapy in Romania - N. Verga - Hadrontherapy Meeting Japan-France - 20 - 21 july
2007 - Lyon France
 - 16) Hadrontherapy in Romania - REPORT - N. Verga - COST-ENLIGHT STRATEGIC
WORKSHOP ON HADRON THERAPY - Geneva - Switzerland -3-4 May, 2007
 - 17) Heavy Ions In Cancer Treatment - - N. Verga - Iranian Congress Of Oncology - Imam
Khomeini Medical Center Tehran, R.I. Iran Oct.2006 -
 - 18) LASER – ACCELERATED PROTON AND ION BEAMS FOR RADIOTHERAPY. F.
Scarlat, R. Minea, A. Scarisoreanu, E. Badita, E. Sima, M. Dumitrascu, E. Mitru, E Stancu, C.
Vancea, N. Verga - - HADRONTHERAPY, KNOWLEDGE AND EVIDENCES The Second
International Workshop of The Romanian Society of Hadrontherapy - November 12-14, 2010,
Cindrel Hotel, Paltinis, Sibiu, ROMANIA
 - 19) Light electron and X ray irradiation of TSP used in photodynamic therapy -lucrari acceptate - -
F. Scarlat, N. Verga -AIII- lea congres balcanic de oncologie - BUON - IZMIR, TURCIA
sept. 1998
 - 20) Medicine And Biology, Centers For Hadrontherapy- St Feasibility Plan (Draft) -Nicolae
Verga - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013)
Predeal, Romania, February 21-24, 2013 -
 - 21) Metoda si dispozitiv pentru punctia si biopsia tumorilor - N. Verga, I. Florea - - lucrare
acceptata - The 14 - th Asia Pacific Cancer Conference - HONG KONG nov. 1997
 - 22) Native And Perturbed Model Of The Nonionizing Irradiation Effects On The Alive Matter - -
N. Verga - 5th International Workshop Of ELECTROMAGNETIC COMPATIBILITY CEM
2008 - Predeal ROMANIA nov,2008
 - 23) Optical Coherence Tomography In Oncological Imaging - Mirea D.A, Busca I, Poroschianu
M.N, Zarma S.F, Grînisteanu L, Anica A, Gheorghe C.A, Stan C.A, Verga M, Vasilache R,
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 - 24) Perspectives Of Laser Driven Pt And The Ascend Of Compact Proton Accelerators - Radu A.
Vasilache, Nicolae Verga, Andreea Groza, Agavni Surmeian, Constantin Diplasu and Mihai
Ganciu - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013)
Predeal, Romania, February 21-24, 2013
 - 25) Potential Parameters Of Laser-Driven Ion Beams For Hadron-Based Tumor Therapy - ,F.
Scarlat, N. Verga, M. Dumitrascu, Fl. Scarlat - 1st Annual Conference Of The Romanian
Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 -

- 26) Proton and Electron Magnetotherapy, - F. Scarlat, N. Verga, Elena Anda Barna - - A 13 - a conferinta de oncologie a tarilor asiatice riverane la Oceanul Pacific - lucrare acceptata - PENNANG - MALAEZIA - 17 - 20 NOIEMBRIE- 1996
- 27) Radiotherapy of soft tissue sarcomas by photon irradiation in pulsed electric field - N. Verga, F. Scarlat, I. Pana, I. Florea, Mihaela Marinescu - The 13th Asia Pacific Cancer Conference, nov. 1996, Penang, Malaysia.
- 28) Research and development of new magnetic nanomaterials non-radioactive, fdg-like, for diagnosis, marking and treat of malignant tumors - N. Verga, Jenica Neamtu, Dariush Sardari - Iranian Congress of Nuclear Medicine - May 2011
- 29) Romania, a new country in the European and international orbit of Hadrontherapy - N. Verga - The First International Workshop of ROMANIAN SOCIETY OF HADRONTHERAPY ;“RADIOTHERAPY WITH NEUTRON AND PROTON BEAMS, INTER- AND MULTIDISCIPLINARY R&D”-PREDEAL, ROMANIA, February 27th -March 1st, 2009 -
- 30) Scintigraphical evaluation of pharmacological response of ALFUTOP drug used in arthrosis treatment -V.V. Lungu, G. Mihailescu, N. Verga - Six -th International Symposium On The Synthesis And Applications of Isotopes and Isotopically Labeled Compounds - PHILADELPHIA, PENNSYLVANIA, USA sept. 1997
- 31) Secondary Effects In Hadrontherapy- Protons & Neutrons- N. Verga - The First International Workshop of ROMANIAN SOCIETY OF HADRONTHERAPY ; “RADIOTHERAPY WITH NEUTRON AND PROTON BEAMS, INTER- AND MULTIDISCIPLINARY R&D”- PREDEAL, ROMANIA, February 27th -March 1st, 2009 -
- 32) Some data of the 40 MeV Betatron shielding F. Scarlat, N. Verga, The second mediteranean congress of the radiation protection - TEL AVIV nov. 1997
- 33) Target pharmacotherapy - N. Verga - BOUN - Congresul Balcanic de Oncologie - ATENA 1996
- 34) The Biologic Channel, The Computational Biology And The Electromagnetic Biocompatibility - N. Verga - 1St Human, Life and Radiation Conference- Rafsanjan University of Medical Sciences, - 29-31 October 2006 - R.I. IRAN
- 35) The effects of electromagnetic fields to white mouse learning comportment. - JINR - ROMANIAN WORKSHOP ADVANCED MATERIALS AND THEIR CHARACTERIZATION Dubna, Russia, March 18 -22, 2002
- 36) The Host Volume; Anatomy, Imaging Dynamics And Treatment Targets In Uterine And Prostate Cancers - Busca I, Zarma F.S, Poroschianu M.N, Grîni teanu L, Gheorghe C.A, Anica A, Stan C.A, Vasilache R, Verga M, Mirea D.A, Verga N, - 1st Annual Conference Of The Romanian Society Of Hadrontherapy (ICRSH 2013) Predeal, Romania, February 21-24, 2013 -
- 37) The Necessity Of Hadronotherapy In Romania - The XXXIV European Cyclotron Progress Meeting (ECPM 2005) October 6-8, 2005 -Belgrade, Serbia and Montenegro
- 38) Management principles of the radiotherapy unit - Lucian Bratu, Bogdan Radu, Liliana Antoaneta Bucur, Lucian Miron, Anca Munteanu, Constantin Volov , Nicolae Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania
- 39) Hybrid imaging system for tumor monitoring associated with radiation therapy - C. Matei, D.C. Dumitras, N. Verga, M. Patachia, S. Banita, S. Miclos, S. Dontu - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania
- 40) Romanian nuclear physics heritage - A. Rotaru, D.G. Ghita, M. Straticiu, I. Burducea, D.A. Mirea, N. Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania
- 41) Proposal for a new type of accelerator for electrons and protons - Nicolae Verga, Madalina Croitoru, Florea Scarlat - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania

- 42) The characteristics of biological systems, biological channel theory and mathemabiology - Iulia Voicu , Liliana Voicu , Andreea Hogeia , Alexandra Sora , Andrei Mavrodineanu , Alina Elena Aldea, Liliana Antoaneta Bucur, Lucian Miron , D.A. Mirea, Nicolae Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania
- 43) Stability and variability of biological channels at the interaction with ionising and non-ionising radiation - Liliana Voicu, Iulia Voicu, , Andreea Hogeia , Alexandra Sora, , Andrei Mavrodineanu , Alina Elena Aldea, Liliana Antoaneta Bucur, Alina Raicu, Lucian Miron , D.A. Mirea , Nicolae Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania
- 44) Implementing hadrontherapy in Romania. The cyclinac solution - D.A. Mirea, D.G. Ghita, M. Straticiuc, I. Burducea, A. Rotaru, N. Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania
- 45) Use of hyperthermia in radiotherapy – benefits and limitation - Lucian Bratu, Bogdan Radu, Elena Alina Aldea, Lucian Miron, Anca Munteanu, Constantin Volov , Nicolae Verga - The IInd International Conference Of The Romanian Society Of Hadrontherapy - February 25-28, 2016 - Sinaia, Romania

Prezentari invitate in plenul unor manifestari stiintifice nationale

- 1) Actiunea campurilor electromagnetice de inalta frecventa, pulsate, asupra materiei vii - **Nicolae Verga**, Elena Anda Barna - Universitatea de Medicina i Farmacie Carol Davila, Catedra de radioterapie, Zilele Medicale ale Spitalului Coltea, Spitalul Clinic Coltea, BUCURESTI
- 2) Actualitati in tratamentul tumorilor cerebrale - Protonoterapie - **N. Verga** - Universitatea de Medicina i Farmacie Carol Davila, Catedra de radioterapie, Zilele Medicale ale Spitalului Coltea, Spitalul Clinic Coltea, BUCURESTI
- 3) Applications Of The Accelerators Based To High Power Pulsed Lasers - INDLAS - **N. Verga** - Second Edition 2008 "MODERN LASER APPLICATIONS" May 20-23, 2008 Bran, Romania "Medical Applications of Lasers from Classics to Extreme Light",
- 4) Bioelectromagnetic compatibility and computational biology model- **N. Verga** - The 3rd workshop of electromagnetic compatibility CEM 2006- Iasi, sept 2006 - ISBN 973-718-529-3
- 5) Biologie Computational Si Medicina Teoretica In Bio- Electrocompatibilitate - Expunerea Umana La Microunde - Aplicatii In Medicina Si Ecologie - **Nicolae I. Verga** ., Wilhelm KAPPEL, Eros-Alexandru PATROI - Nov. 2006 Bucuresti - Institutul National de Cercetare-Dezvoltare pentru Inginerie Electrica ICPE-CA, Bucuresti
- 6) Cancerul la batrani Universitatea de Medicina i Farmacie Carol Davila, - **N. Verga** - Catedra de radioterapie, Zilele Medicale ale Spitalului Coltea, Spitalul Clinic Coltea,
- 7) Compatibilitate bioelectromagnetica. - **N. Verga** - Workshop compatibilitate electromagnetica - ICPE - Cercetari Avansate SA, Comitetul Electrotehnic Roman (CER), Ministerul Educatiei i Cercetarii (MEC) -sept 2004- ISBN 973-9463-84-3
- 8) Contributia SIEMENS la cercetarea i productia echipamentelor medicale i biologice - scurt istoric - **N. Verga** - Zilele Siemens ICPE - Cercetari Avansate SA, Ministerul Educatiei i Cercetarii (MEC), Spital Clinic Coltea
- 9) Echipament pentru sterilizarea si monitorizarea unei zone expuse atacului bacteriologic - **N. Verga** - Workshop de securitate - GIS, ASR martie 2005
- 10) Electromagnetoradioterapie **N. Verga**, Dacian Bonta- Conferinta Nationala de Fizica - Baia Mare 1995
- 11) HADRONTHERAPY - EUROACTION - **N. Verga** - Cronical Diseases Monitoring Program- October, 2005
- 12) Medicina nonfarmacologica i/sau inginerie medicala? - **N. Verga** - Zilele Siemens ICPE - Cercetari Avansate SA, Ministerul Educatiei i Cercetarii (MEC), Spital Clinic Coltea

- 13) Monitorizarea diagnostică și terapeutică a bolnavilor oncologici prin evaluări periodice sau...
INTERNAREA DE O ZI - **N. Verga** - ZILELE SPITALULUI COLTEA dec. 2001 -
Universitatea de Medicină și Farmacie Carol Davila, Catedra de radioterapie, București
- 14) Potential applications of high energy coherent radiations in radiotherapy F. Scarlat, Rodica
Scarlat, E. Popescu, **N. Verga** - Conferința Națională de Fizică - Baia Mare- 1995
- 15) Potential applications of photon irradiation in pulsed electric field for soft tissue sarcoma
radiotherapy - **N. Verga**, Dacian Bonta, F. Scarlat, N. Baboi- Conferința Națională de Fizică -
Baia Mare 1995
- 16) Prevenirea actelor teroriste, atitudini educationale, psihologie socială- **N. Verga** - martie 2005
- Workshop de securitate - GIS, ASR
- 17) Proposals Regarding The Standard Methodology For Investigations In Bioelectromagnetic
Compatibility - **N. Verga** - The 2nd Workshop "Bio-electromagnetic Compatibility:
Methods of Characterization and Shielding Materials" Curtea de Argeș 22-24 May 2008
- 18) Proteinele de stres în stadii maligne terminale - **N. Verga** - Universitatea de Medicină și
Farmacie Carol Davila, Catedra de radioterapie, Zilele Medicale ale Spitalului Coltea, Spitalul
Clinic Coltea,
- 19) Protonoterapia la Dubna, probleme tehnologice tehnici de iradiere, posibilități de colaborare
Verga Ioan Nicolae, Ion Florea CONFERINȚA NAȚIONALĂ DE ONCOLOGIE mai 2003,
- 20) Protontherapy And Medical Radiopharmaceuticals Factory In Romania - **N. Verga** - INDLAS
- Second Edition 2008 "MODERN LASER APPLICATIONS" May 20-23, 2008 Bran,
Romania "Medical Applications of Lasers from Classics to Extreme Light",
- 21) Pulsatile electromagnetic field and Bleomycin treatment in Ehrlich Ascita - **N. Verga** -
Conferința Națională de Oncologie - Craiova - Societatea Română de Oncologie - 1992
- 22) Relationship photon - photon and photon energy into L.S.R.S. F. Scarlat, **N. Verga** -
Conferința asociației române a fizicienilor din medicina și a Societății române de
radioprotecție, SIBIU, ROMANIA nov. 1997
- 23) RMN, actualități, limite și perspective - reacții biochimice în câmp magnetic intens - **N. Verga**
- - dec. 1991 - Universitatea de Medicină și Farmacie Carol Davila, Catedra de radiologie
Zilele Medicale ale Spitalului Coltea, Spitalul Clinic Coltea, BUCUREȘTI
- 24) Semnificația relației tumora - gazda în monitorizarea tratamentului oncologic - **N. Verga**, I.
Florea, Universitatea de Medicină și Farmacie Carol Davila, Catedra de radioterapie, Zilele
Medicale ale Spitalului Coltea, Spitalul Clinic Coltea, BUCUREȘTI
- 25) Targets and mechanisms in bioelectromagnetic compatibility - **N. Verga** - The second
workshop in bioelectromagnetic compatibility - sept. Cluj-Napoca, Romania - ISBN 973- 718-
307-X
- 26) Tests And Measurements Of The Electromagnetic Compatibility In The Range Of Frequencies
Of 0.8-18GHz Applied To The Biological Entities - J. Neamtu, J. Pinte, C. Morari, I. Balan,
L. Giurgiu, **N. Verga** - ARM5 Hotel CONTINENTAL SIBIU 4-6 SEPTEMBER 2007
- 27) The Necessity Of Hadronotherapy In Romania - **N. Verga** - "Perspectiva participării
românești în proiectul internațional FAIR" ; București, 24-25 februarie 2005
- 28) The Role Of p+ Emitters Radionuclides In The Differential Diagnosis Of The Skin Cancers - a
review - - **N. Verga** - Workshop Radioisotopes and Biomolecules - A partnership for Early
Diagnosis and Targeted Radiotherapy of Cancer - 26-28 November 2008; Hotel Caro,
Bucharest, ROMANIA
- 29) Studies Of Absorbing Microwave Radiations In Magnetic Composite Shields - W.
Kappel, Jenica NEAMTU, Cristian MORARI, Jana PINTEA, Teodora MALAERU, Gabriela
GEORGESCU, Liviu GIURGIU, Ionut BALAN, **Nicolae VERGA** - ARM5 Hotel
CONTINENTAL SIBIU 4-6 SEPTEMBER 2007 - Workshop "Bio-electromagnetic
Compatibility: Methods of Characterization and Shielding Materials" Curtea de Argeș 22-24
May 2008
- 30) HIFU, metoda, indicații, contraindicații, metode de tratament specifice, evoluție, rezultate – N.
Verga - Workshop HIFU – Azuga 2009
- 31) Radioterapia oncologică în România - Nicolae Verga - Conferința PRIA Oncology
_22 noiembrie 2016- București, România -

