



SORIN RIGA - Curriculum Vitae

MD, PhD, DrHc, Prof. habil., 1st deg. Prin. Res. Sci., Prim. phys.
Full Member of the *A c a d e m y* of Romanian Scientists
Director - *Department of Stress Research & Prophylaxis*
"Prof. Dr. Al. Obregia" Clinical Hospital of Psychiatry

Medical, Scientific and Academic Degrees

MD, PhD, DrHc, Prof. habil., 1st deg. Prin. Res. Sci., Prim. phys.
Full Member of the *A c a d e m y* of Romanian Scientists

Affiliation

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RESEARCH INTERESTS

- stress medicine & management, anti-stress therapies
- neurosciences, psychiatry
- regenerative medicine and longevity sciences
- physical activity, recovery, physiotherapies

EDUCATIONAL QUALIFICATIONS

- 1965 - Chief promotion graduated, "Ion Luca Caragiale" National College, Bucharest, RO;
- 1971 - B. Sc. Magna cum Laudae, "Carol Davila" University of Medicine and Pharmacy, Bucharest, RO; country Valedictorian;
- 1974 - PhD in Neurobiochemistry - Brain Research;
- 1982 - MD in Psychiatry;
- 1990 - Senior Psychiatrist;
- 1996 - 1st degree Senior Research Scientist;
- 2007 - Doctor Honoris Causa, "Vasile Goldis" Western University, Arad, RO;
- 2010 - Professor, "Titu Maiorescu" University, Bucharest, RO;
- 2011 - Full Member of the Academy of Romanian Scientists, Bucharest, RO;
- 2013 - Professor Habilitas, "Carol Davila" University of Medicine and Pharmacy.

MEMBER OF INTERNATIONAL ORGANIZATIONS

Academies

- 1995 - New York Academy of Sciences (NYAS), New York, NY;
- 1998 - American Association for the Advancement of Science (AAAS), Washington, DC;
- 2005 - American Academy of Anti-Aging Medicine (A4M), Chicago, IL.
- 2011 - Academy of Romanian Scientists, Bucharest, RO.

Scientific Societies

- 1973 - International Society of Neuropathology (ISN), Zürich, CH;
- 1975 - International Brain Research Organization (IBRO), Paris, FR;
- 1982 - Union Médicale Balkanique (UMB), Bucarest, RO;
- Entente Médicale Méditerranéenne (EMM), Bucarest, RO;
- 1993 - International Association of Biomedical Gerontology (IABG), Omaha, NE;
- American Aging Association (AAA), Chester, PA;
- 1993 - World Psychiatric Association (WPA), Washington, DC;
- 1994 - World Stress Society (WSS), Bethesda, MD;
- 1995 - International League Against Epilepsy (ILAE), Bethesda, MD;
- International Bureau for Epilepsy (IBE), Heemstede, NL;
- 1996 - International Society for the Investigation of Stress (ISIS), Heidelberg, Victoria, AU;
- 2009 - Cell Stress Society International (CSSI), Storrs, CT.

ACADEMIC PUBLICATIONS - selection

Papers

1. Riga, D., Riga, S.,
Die anatomischen Einrichtungen des Blutkreislaufs beim Fötus, *Anatomischer Anzeiger (Annals of Anatomy)*, 121: 283-293, 1967, ISSN 0940-9602; PMID: 5592270 [PubMed - indexed for MEDLINE].
2. Riga, S., Riga, D., Ciobanu, E.,
Studiul acțiunii substanțelor adjuvante asupra culturilor de stafilococ alb introdus intraperitoneal la cobai, *Revista Medico-Chirurgicală a Societății de Medici și Naturaliști Iași*, 74: 391-396, 1970, ISSN 0300-8738; PMID: 5447567 [PubMed - indexed for MEDLINE].
3. Riga, S., Riga, D.,
Effects of centrophenoxine on the lipofuscin pigments in the nervous system of old rats, *Brain Research*, 72: 265-275, 1974, ISSN 0006-8993; PMID: 4151704 [PubMed - indexed for MEDLINE];
4. Riga, S., Riga, D., Popescu, Al., Mécanismes métaboliques du contrôle de l'excitation / inhibition dans le cerveau. Le système acide glutamique / acide γ -aminobutyrique et leurs métabolites. I. Métabolisme de l'acide γ -aminobutyrique, *Archives de l'Union Médicale Balkanique*, 21: 487-488, 1983, ISSN 0041-6940; IDB: www.scimagojr.com
5. Riga, D., Toma, T., Riga, S., Periețeanu, M.,
Les mécanismes souscellulaires de la vitalité cérébrale. I. Les mécanismes neuro-morphologiques, *Archives de l'Union Médicale Balkanique*, 22: 815-817, 1984, ISSN 0041-6940; IDB: www.scimagojr.com
6. Schneider, Fr., Mederle, C., Riga, S., Riga, D., Mătieș, R., Săvoiu, G., Goția, S., Mihalăș, Gh., Buftea, A.,
Morphological and biochemical relations in contention stress by rats, *Fiziologia-Physiology*, 2(1): 17-19, 1992, ISSN 1223-2076; IDB: www.ebscohost.com, www.journals.indexcopernicus.com

7. Predescu, V., Riga, D., **Riga, S.**, Turlea, J., Moisil Bărbat, I., Botezat-Antonescu, L.,
Antagonic-Stress: a new treatment in gerontopsychiatry and for a healthy productive life,
Annals of the New York Academy of Sciences, 717: 315-331, 1994, ISSN 0077-8923;
PMID: 8030848 [PubMed - indexed for MEDLINE].
8. **Riga, S.**, Riga, D.,
Antagonic-Stress[®]: a therapeutic composition for deceleration of aging. I. Brain
lipofuscinolytic activity demonstrated by light and fluorescence microscopy, *Archives of
Gerontology and Geriatrics*, 19(S1): 217-226, 1994, ISSN 0167-4943;
PMID: 18649862 [PubMed - in process].
9. Riga, D., **Riga, S.**,
Antagonic-Stress[®]: a therapeutic composition for deceleration of aging. II. Brain lipofuscino-
lytic activity demonstrated by electron microscopy, *Archives of Gerontology and Geriatrics*,
19(S1): 227-234, 1994, ISSN 0167-4943; PMID: 18649863 [PubMed - in process].
10. Riga, D., **Riga, S.**,
Lipofuscin and ceroid pigments in aging and brain pathology. A review. I. Biochemical and
morphological properties,
Romanian Journal of Neurology and Psychiatry, 33: 121-136, 1995, ISSN 0035-3981;
PMID: 7547376 [PubMed - indexed for MEDLINE].
11. Riga, D., **Riga, S.**,
Brain lipofuscinolysis and ceroidolysis - to be or not to be, *Gerontology*, 41(S2): 271-280,
1995, ISSN 0304-324X; PMID: 8821338 [PubMed - indexed for MEDLINE].
12. **Riga, S.**, Riga, D.,
An antistress and antiaging neurometabolic therapy: accelerated lipofuscinolysis and
stimulated anabolic regeneration by the Antagonic-Stress synergistic formula, *Annals of the
New York Academy of Sciences*, 771: 535-550, 1995, ISSN 0077- 8923; PMID: 8597428
[PubMed - indexed for MEDLINE].
13. **Riga, S.**, Riga, D.,
Synergistic multitherapy - as rational strategy in aging - multifactorial process, *Annals of the
New York Academy of Sciences*, 854: 477, 1998, ISSN 0077-8923.
14. Riga, D., **Riga, S.**,
Correlation between lipofuscin accumulation and aging neuropathology, *Annals of the New
York Academy of Sciences*, 854: 495, 1998, ISSN 0077-8923.
15. Riga, D., **Riga, S.**, Schneider, F.,
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synthesis - 2003, *Annals of the New York Academy of Sciences*, 1019: 396-400, 2004, ISSN
0077-8923; PMID: 15247053 [PubMed - indexed for MEDLINE].
16. **Riga, S.**, Riga, D., Schneider, F.,
Prolongevity medicine: Antagonic-Stress[®] drug in distress, aging and related diseases. II.
Clinical review - 2003, *Annals of the New York Academy of Sciences*, 1019: 401-405, New
York Academy of Sciences, New York, NY, 2004, ISSN 0077-8923; PMID: 15247054
[PubMed - indexed for MEDLINE].
17. Riga, D., **Riga, S.**, Schneider, F.,
Present and future anti-aging strategies in geronto-geriatrics: "SENS earns SENSE",
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18. Riga, D., Schneider, F., **Riga, S.**,
Subcellular anti-aging mechanisms in brain longevity, *Fiziologia-Physiology*, 15(1): 7-11,
2005, ISSN 1223-2076; IDB: www.ebscohost.com, www.journals.indexcopernicus.com
19. Riga, D., **Riga, S.**, Hălălău, P., Schneider, F.,
Brain lipopigment accumulation in normal and pathological aging, *Annals of the New York
Academy of Sciences*, 1067: 158-163, 2006, ISSN-0077-8923; PMID: 16803981 [PubMed -
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21. Riga, D., Riga, S.,
Acad. Prof. Dr. Phillip V. Tobias - o personalitate de excelență în antropologia și știința mondială, *Studii de Știință și Cultură*, 3(1): 50-57, 2007, ISSN 1841-1401; IDB: www.ceeol.com, www.ebscohost.com, www.indexcopernicus.com, www.doaj.org
22. Riga, S., Riga, D.,
Prezentarea operei științifice a Acad. Phillip V. Tobias: sinteza lucrărilor realizate și publicate timp de peste o jumătate de secol (1945-2003) și impactul în dezvoltarea mondială a științei și culturii, *Studii de Știință și Cultură*, 3(1): 58-68, 2007, ISSN 1841-1401; IDB: www.ceeol.com, www.ebscohost.com, www.indexcopernicus.com, www.doaj.org
23. Riga, D., Riga, S.,
Ioan Oprescu (1932-2008) - personalitate de marcă a antropologiei românești, *Romanian Medical Journal*, 55: 139-141, 2008, ISSN 1220-5478; IDB: www.ebscohost.com, www.scirus.com, www.getcited.org, www.wame.org
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Prof. dr. doc. Ilie Th. Riga, promotor în fundamentarea palestricii, *Palestrica Mileniului III*, 9: 334-335, 2008, ISSN 1582-1943; IDB: www.ebscohost.com, www.journals.indexcopernicus.com
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Prof. Dr. Ramon Valentin (1929-2007) - medicină sportivă și ortopedie, *Palestrica Mileniului III*, 10: 462-464, 2009, ISSN 1582-1943; IDB: www.ebscohost.com, www.journals.indexcopernicus.com
28. Riga, D., Riga, S., Ardelean, A., Schneider, F.,
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29. Riga, D., Riga, S., Ardelean, A., Man, V.,
Cultura tradiției și patrimoniului. Ctitorii, toponime și eponime, *Studii de Știință și Cultură*, 6(1): 96-112, 2010, ISSN 1841-1401; IDB: www.ceeol.com, www.ebscohost.com, www.indexcopernicus.org, www.doaj.org
30. Riga, S., Riga, D.,
Paradigma palestricii, *Palestrica Mileniului III*, 11: 7-9, 2010, ISSN 1582-1943; IDB: www.ebscohost.com, www.journals.indexcopernicus.com
31. Riga, S., Riga, D.,
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32. Riga, S., Riga, D., Ardelean, A., Schneider, F.,
The contemporary man in his bio-psycho-socio-ecological dimension, *Fiziologia-Physiology*, 20(2): 8-10, 2010, ISSN 1223-2076; IDB: www.ebscohost.com, www.journals.indexcopernicus.com

33. Riga, S., Riga, D., Buda, O.,
Prof. Dr. Alexandru Obregia (1860-1937) - ctitorul și fondatorul psihiatriei bucureștene, *Studii de Știință și Cultură*, 6(2): 259-270, 2010, ISSN 1841-1401; IDB: www.ceeol.com, www.ebscohost.com, www.indexcopernicus.org, www.doaj.org
34. Riga, S., Riga, D., Mihăilescu, A., Motoc, D., Moș, L., Schneider, F.,
Longevity health sciences and mental health as future medicine, *Annals of the New York Academy of Sciences*, 1197: 184-187, 2010, pISSN 0077-8923, eISSN 1749-6632; PMID: 20536848 [PubMed - indexed for MEDLINE].
35. Riga, D., Riga, S.,
Construcția sănătății și medicina omului sănătos, *Romanian Medical Journal*, 57: 223-229, 2010, ISSN 1220-5478; IDB: www.ebscohost.com, www.scirus.com, www.getcited.org, www.wame.org
36. Riga, D., Riga, S., Ardelean, A., Pribac, G., Schneider, F.,
Neuropathology of Alzheimer disease. Connexions with cerebral senescence, *Studia Universitatis Vasile Goldis, Life Sciences Series*, 21: 251-262, 2011, pISSN 1584-2363, eISSN 1842-7863; IDB: www.scopus.com; www.ebscohost.com; www.journals.indexcopernicus.com; www.journalseek.net; www.doaj.org
37. Motoc, D., Turtoi, N. C., Riga, D., Riga, S.,
Durerea neuropată - particularități fiziologice și fiziopatologice. Direcții terapeutice, *Romanian Medical Journal*, 58: 20-26, 2011, pISSN 1220-5478, eISSN 2069-606X; IDB: www.ebscohost.com, www.scirus.com, www.getcited.org, www.wame.org
38. Mihăilescu, A., Riga, S., Riga, D., Iamandescu I.-B.,
Genomica stresului: determinarea binomului stres/vulnerabilitate, *Romanian Medical Journal*, 58: 92-97, 2011, pISSN 1220-5478, eISSN 2069-606X; IDB: www.ebscohost.com, www.scirus.com, www.getcited.org, www.wame.org
39. Motoc, D., Riga, S., Riga, D., Turtoi, N. C., Avram, C. R.
Modificări electromiografice și mecanomiografice induse de oboseală, *Paediatrica Mileniului III*, 12: 144-150, 2011, pISSN 1582-1943, eISSN 2247-7322; IDB: www.ebscohost.com, www.journals.indexcopernicus.com
40. Riga, D., Riga, S.,
The science of aging. Global progress, *Rejuvenation Research*, 14: 573-577, 2011, pISSN 1549-1684, eISSN 1557-8577; doi: 10.1089/rej.2011.1244.
PMID: In process [PubMed - in process].
41. Riga, S., Riga, D., Man, V.,
Nicolae Mălescu Spătarul - strămoșul laureatului Nobel Ilia I. Mecinikov. Partea I. Impactul european peste veacuri al lui Nicolae Mălescu Spătarul; 1 iunie 2011 - 375 ani de la nașterea cărturarului european, *Studii de Știință și Cultură*, vol. 7, nr. 4, pp. 241-248, 2011, pISSN 1841-1401, eISSN 2067-5135; IDB: www.ceeol.com, www.ebscohost.com, www.indexcopernicus.org, www.doaj.org
42. Riga, S., Riga, D., Man, V.,
Nicolae Mălescu Spătarul - strămoșul laureatului Nobel Ilia I. Mecinikov. Partea II. Viața și opera științifică al lui Ilia I. Mecinikov;
16 mai 2011 - 166 ani de la nașterea savantului european;
15 iulie 2011 - 95 ani de la moarte,
Studii de Știință și Cultură, vol. 7, nr. 4, pp. 249-260, 2011, pISSN 1841-1401, eISSN 2067-5135; IDB: www.ceeol.com, www.ebscohost.com, www.indexcopernicus.org, www.doaj.org
43. Milca, Ș.T., Riga, S., Riga, D., Bușoi, G.,
Medicina preventivă și sănătatea mintală, *Romanian Medical Journal*, vol. 58, nr. 4, pp. 250 - 259, 2011, pISSN 1220-5478, eISSN 2069-606X; IDB: www.ebscohost.com, www.scirus.com, www.getcited.org, www.wame.org

44. Riga, D., Riga, S., Ardelean, A., Motoc, D., Schneider, F.,
Biogerontology Today. Part I. 61st Annual Scientific Meeting of the British Society for
Research on Ageing - BSRA & 14th Congress of the International Association of Biomedical
Gerontology - IABG, Brighton, UK, 11th - 14 July 2011,
Fiziologia-Physiology, vol. 21, no. 3, pp. 10-17, 2011, pISSN 1223-2076, eISSN 2247-2061,
ISSN-L 1223-2076; IDB: www.ebscohost.com, www.journals.indexcopernicus.com
45. Riga, S., Riga, D., Ardelean, A., Pribac, G., Hermenean, A., Motoc, D., Schneider, F.,
Neuropathology of aging. Correlations with Alzheimer disease,
Studia Universitatis Vasile Goldis. Life Sciences Series, vol 21, nr. 3, pp. 487-498, 2011,
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46. Riga, S., Riga, D.,
Old and novel concepts for novel physiotherapies,
Journal of Novel Physiotherapies, vol. 2, no. 2, 2012, ISSN 2165-7025.
J Nov Physiother 2:e110. doi: [10.4172/2165-7025.1000e110](https://doi.org/10.4172/2165-7025.1000e110)
47. Dănilă, L., Popescu, I., Păiș, V., Riga, D., Riga, S., Păiș, F.,
Apoptosis, paraptosis, necrosis, and cell regeneration in posttraumatic cerebral arteries,
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22-27, In: J. Kugler (Hrsg.), *Hirnstoffwechsel und Hirndurchblutung*, Schnetztor Verlag,
Konstanz, Schweiz, 1977.
2. Predescu, V., Riga, D., Riga, S., Țurlea, J., Moisil Bărbat, I., Botezat-Antonescu, L.,
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3. Riga, D., Riga, S.,
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Ivy, H. Shimasaki (eds.), *Lipofuscin and Ceroid Pigments. State of the Art 1995*, Karger,
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4. Riga, S., Riga, D.,
An antistress and antiaging neurometabolic therapy: accelerated lipofuscinolysis and
stimulated anabolic regeneration by the Antagonic-Stress synergistic formula, pp. 535-550,
In: G.P. Chrousos, R. McCarty, K. Pacák, G. Cizza, E. Sternberg, P.W. Gold, R. Kvetňanský
(eds.), *Stress - Basic Mechanisms and Clinical Implications*, New York Academy of
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5. Riga, S., Riga, D.,
Synergistic multitherapy - as rational strategy in aging - multifactorial process, p. 477, In: D.
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Practical Approaches to Intervention*, New York Academy of Sciences, New York, NY,
1998, ISBN 1-57331-109-X.
6. Riga, D., Riga, S.,
Correlation between lipofuscin accumulation and aging neuropathology, p. 495, In: D.
Harman, R. Holliday, M. Meydani (eds.), *Towards Prolongation of the Healthy Life Span.
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Stres, stres oxidativ, îmbătrânire și patologii neuro-psihiacă, pp. 211-225, In: D. Prelipceanu, R. Mihailescu, R. Teodorescu (eds.), *Tratat de Sănătate Mintală*, vol. 1, Editura Enciclopedică, București, 2000, ISBN 973-45-0324-3.
8. Riga, S., Riga, D.,
Terapii moderne de activare cerebrală anti-stres și anti-îmbătrânire, pp. 415-440, In: D. Prelipceanu, R. Mihailescu, R. Teodorescu (eds.), *Tratat de Sănătate Mintală*, vol. 1, Editura Enciclopedică, București, 2000, ISBN 973-45-0324-3.
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10. Riga, D., Riga, S., Schneider, F.,
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11. Riga, S., Riga, D., Schneider, F.,
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12. Riga, D., Riga, S., Schneider, F., Prelipceanu, D., Mihailescu R.,
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13. Riga, D., Riga, S., Schneider, F.,
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- D. Riga, S. Riga, *Anti-Aging Medicine and Longevity Sciences*, University Book Publishing (Ars Academica), Bucharest, RO, 2007, ISBN 13: 978-973-731-545-8, (in Romanian); www.dacoromanica.ro
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INTERNATIONAL PATENTS

Intellectual property titles (see Attach.)

Dan RIGA, Sorin RIGA - Romania, *Anti-stress, anti-impairment and anti-aging drug and process for manufacturing thereof (Class of the Antagonic-Stress® drugs)*:

- World Intellectual Property Organization (WIPO), Patent Cooperation Treaty (PCT), Geneva, Switzerland, 1994 - 1995, with International Registration PCT / RO 94/ 00003; International Search Report (ISR) - 100 % positive; International Preliminary Examination Report (IPER) - 100 % positive; International Patent Publication PCT / WO 95/ 33486;

- **European Registration, Application and other 17 Patents:**
 - **EPO** - European Patent Office - EUR. Pat. No. 804239 / Sept. 15, 1999
 - **Pats. Design, Eur. States:** AT-Austria; BE-Belgium; CH-Switzerland; DE-Germany; DK-Denmark; ES-Spain; FR-France; GB-Great Britain; IE-Ireland; IT-Italy; LI-Liechtenstein; LU-Luxemburg; MC-Monaco; NL-Netherlands; PT-Portugal; RO-Romania; SE-Sweden;
- **Multi-national Registrations, Applications and new 8 Patents:**
Australia-AU Pat. No. 694125/Nov. 5, 1998; Korea-KR Pat. No. 233771/Sept.14, 1999; Russian Fed.-RU Pat. No. 2152787/July 20, 2000; USA-US Pat. No. 6174890/Jan. 16, 2001; China-CN Pat. No. 76901/Nov. 21, 2001; Canada-CA Pat. No. 2191837/Oct. 15, 2002; Japan-JP Pat. No. 3455544/July 25, 2003; Brazil-BR Pat. No. 1100874-1/May 03, 2005.

Patents characterization

The 25 patents, world-wide distributed were obtained by the Riga team in the 1995-2005. They are presented online at the National Patent Offices in 25 countries. In addition, ISI-Thomson-Reuters have them mentioned at patent search and also in D. Riga's www.researcherid.com profile.

Classical and online International Data Bases (Letters in Drug Design and Discovery Community Patent Review, Patent Genius, Patent Storm.US, Brevets-Patent.ic.ge.ca. etc.) also mentioned Drs. Riga's patents.

WORKING EXPERIENCE - selection

1. **Organization of 2 (two) Departments of advanced research:**
 - 1978-1986 - Brain research (Neuro-psycho-biology);
 - 1999-2011 - Stress research, prophylaxis and treatment.
2. **Orthomolecular strategy & advanced therapy:**
Anti-stress, anti-impairment, anti-aging, anti-pathology medicine
(Class of the Antagonic-Stress[®] drugs - Dr. Dan RIGA & Dr. Sorin RIGA)
3. **Translational research and international inventions in medicine:**
 - 1994-2005 - 27 patents (WIPO, PCT, EPO + 25 national patents in 5 continents)

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- **ROMANIAN JOURNALS with international distribution**
- *Revista Română de Psihiatrie - Romanian Journal of Psychiatry* (Asociația Română de Psihiatrie și Psihoterapie); www.romjpsychiat.ro
- *Fiziologia-Physiology* (Official Journal of the Romanian Society of Physiological Sciences); http://revista_fiziologia.umft.ro
- *Revista Medicală Română - Romanian Medical Journal* (Societatea Națională de Medicină de Familie și Medicină Generală); <http://rnr.medica.ro>
- *Palestrica Mileniului III. Civilizație și Sport - Palestrica of the Third Millennium. Civilization and Sport* (Revistă trimestrială de studii și cercetări interdisciplinare - "Iuliu Hațieganu" University of Medicine and Pharmacy Publishing); www.pm3.ro
- *Studii de Știință și Cultură - Studies of Science and Culture* ("Vasile Goldiș" University Press); www.revista-studii-uvvg.ro
- *Conexiuni Medicale - Medical Connection* (Colegiul Medicilor Satu Mare, Universitatea „Titu Maiorescu” București, Rabin Medical Center - Tel Aviv University); www.conexiuni medicale.ro

▪ **INTERNATIONAL JOURNALS**

- *International Journal of Prevention and Treatment* (<http://journal.sapub.org/IJPT>), Scientific & Academic Publishing (<http://www.sapub.org>), Los Angeles, CA, USA.
- *Journal of Novel Physiotherapies* (editor.jnp@omicsonline.org), Executive Editor, OMICS Publishing Group (www.omicsgroup.org/journals), Los Angeles, CA, USA
- An open access publishing house with over 2 million readers.
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- *International Journal of Advanced Nursing Studies*
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