



## **SORIN RIGA - Curriculum Vitae**

### **Sorin Riga,**

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

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### **PERSONAL DATA**

#### **Sorin Riga**

- born in Bucharest, Romania on September 19, 1947
- son of Ilie Th. Riga and Alexandrina Riga
- unmarried

#### **Medical, Scientific and Academic Degrees**

MD, PhD, DrHc, Prof. habil., 1st deg. Prin. Res. Sci., Prim. phys.

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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 Farmacy.

## 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  $\gamma$ -aminobutyrique et leurs métabolites. I. Métabolisme de l'acide  $\gamma$ -aminobutyrique, *Archives de l'Union Médicale Balkanique*, 21: 487-488, **1983**, ISSN 0041-6940; **IDB: [www.scimagojr.com](http://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](http://www.scimagojr.com)**
6. Schneider, Fr., Mederle, C., **Riga, S.**, Riga, D., Mătieș, R., Săvoiu, G., Goția, S., Mihalaș, Gh., Bufta, A.,  
Morphological and biochemical relations in contention stress by rats, *Fiziologia-Physiology*, 2(1): 17-19, **1992**, ISSN 1223-2076; **IDB: [www.ebscohost.com](http://www.ebscohost.com), [www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com)**

7. Predescu, V., Riga, D., **Riga, S.**, Țurlea, 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<sup>®</sup>: 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.**,  
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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.,  
Regenerative Medicine: Antagonic-Stress<sup>®</sup> therapy in distress and aging. I. Preclinical  
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<sup>®</sup> drug in distress, aging and related diseases. II.  
Clinical review - 2003, *Annals of the New York Academy of Sciences*, 1019: 401-405, New  
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[PubMed - indexed for MEDLINE]**.
17. Riga, D., **Riga, S.**, Schneider, F.,  
Present and future anti-aging strategies in geronto-geriatrics: "SENS earns SENSE",  
*Fiziologia-Physiology*, 14(1): 32-36, **2004**, ISSN 1223-2076; **IDB: [www.ebscohost.com](http://www.ebscohost.com),  
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Subcellular anti-aging mechanisms in brain longevity, *Fiziologia-Physiology*, 15(1): 7-11,  
**2005**, ISSN 1223-2076; **IDB: [www.ebscohost.com](http://www.ebscohost.com), [www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com)**
19. Riga, D., **Riga, S.**, Hălălău, F., 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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20. **Riga, S.,** Riga, D., Schneider, F., Hălălău, F.,  
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21. Riga, D., **Riga, S.,**  
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22. **Riga, S.,** Riga, D.,  
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Ioan Oprescu (1932-2008) - personalitate de marcă a antropologiei românești, *Romanian Medical Journal*, 55: 139-141, **2008**, ISSN 1220-5478; **IDB: [www.ebscohost.com](http://www.ebscohost.com), [www.scirus.com](http://www.scirus.com), [www.getcited.org](http://www.getcited.org), [www.wame.org](http://www.wame.org)**
24. Riga, D., **Riga, S.,**  
Prof. dr. doc. Ilie Th. Riga, promotor în fundamentele palestricii, *Palestrica Mileniului III*, 9: 334-335, **2008**, ISSN 1582-1943; **IDB: [www.ebscohost.com](http://www.ebscohost.com), [www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com)**
25. **Riga, S.,** Riga, D.,  
Vulnerabilitate, stres și senescență. Mișcarea și activitatea fizică - factori anti-îmbătrânire, *Palestrica Mileniului III*, 10: 7-13, **2009**, ISSN 1582-1943; **IDB: [www.ebscohost.com](http://www.ebscohost.com), [www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com)**
26. Riga, D., **Riga, S.,** Moș, L., Motoc, D., Schneider, F.,  
Stiluri de viață pro-longevitate. Importanța activității fizice și sportului, *Palestrica Mileniului III*, 10: 138-144, **2009**, ISSN 1582-1943; **IDB: [www.ebscohost.com](http://www.ebscohost.com), [www.journals.indexcopernicus.com](http://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](http://www.ebscohost.com), [www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com)**
28. Riga, D., **Riga, S.,** Ardelean, A., Schneider, F.,  
Health, longevity and ecology - an integrated paradigm, *Fiziologia-Physiology*, 20(1): 13-16, **2010**, ISSN 1223-2076; **IDB: [www.ebscohost.com](http://www.ebscohost.com), [www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com)**
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.cceol.com](http://www.cceol.com), [www.ebscohost.com](http://www.ebscohost.com), [www.indexcopernicus.org](http://www.indexcopernicus.org), [www.doaj.org](http://www.doaj.org)**
30. **Riga, S.,** Riga, D.,  
Paradigma palestricii, *Palestrica Mileniului III*, 11: 7-9, **2010**, ISSN 1582-1943; **IDB: [www.ebscohost.com](http://www.ebscohost.com), [www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com)**
31. **Riga, S.,** Riga, D.,  
Sănătate, alimentație și sport, *Palestrica Mileniului III*, 11: 77-78, **2010**, ISSN 1582-1943; **IDB: [www.ebscohost.com](http://www.ebscohost.com), [www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com)**
32. **Riga, S.,** Riga, D., Ardelean, A., Schneider, F.,  
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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](http://www.ceeol.com),  
[www.ebscohost.com](http://www.ebscohost.com), [www.indexcopernicus.org](http://www.indexcopernicus.org), [www.doaj.org](http://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](http://www.ebscohost.com), [www.scirus.com](http://www.scirus.com), [www.getcited.org](http://www.getcited.org),  
[www.wame.org](http://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](http://www.scopus.com); [www.ebscohost.com](http://www.ebscohost.com); [www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com); [www.journalseek.net](http://www.journalseek.net); [www.doaj.org](http://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](http://www.ebscohost.com), [www.scirus.com](http://www.scirus.com), [www.getcited.org](http://www.getcited.org), [www.wame.org](http://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](http://www.ebscohost.com),  
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[www.journals.indexcopernicus.com](http://www.journals.indexcopernicus.com)
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Nicolae Milescu Spătarul - strămoșul laureatului Nobel Ilia I. Mecnikov. Partea I. Impactul european peste veacuri al lui Nicolae Milescu 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](http://www.ceeol.com), [www.ebscohost.com](http://www.ebscohost.com), [www.indexcopernicus.org](http://www.indexcopernicus.org), [www.doaj.org](http://www.doaj.org)
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*Studii de Știință și Cultură*, vol. 7, nr. 4, pp. 249-260, **2011**, pISSN 1841-1401, eISSN 2067-5135; **IDB:** [www.ceeol.com](http://www.ceeol.com), [www.ebscohost.com](http://www.ebscohost.com), [www.indexcopernicus.org](http://www.indexcopernicus.org),  
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- **S. Riga, D. Riga** (eds.), *Stress and Modern Society*, thematic number of the Romanian Journal of Mental Health, 11(1): 1-68, **2004**, ISSN 1453-8857 (Papers in Romanian, Summaries in French and English), taken over internationally for global distribution by [www.Amazon.com/USA](http://www.Amazon.com/USA)
- 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](http://www.dacoromanica.ro)
- **S. Riga, D. Riga**, *Stressology, Adaptology and Mental Health*, University Book Publishing (Ars Academica), Bucharest, RO, **2008**, ISBN 13: 978-973-731-546-5, (in Romanian); [www.dacoromanica.ro](http://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<sup>®</sup> 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**;  
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**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](http://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<sup>®</sup> 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)

### MEMBER IN EDITORIAL BOARD

- **ROMANIAN JOURNALS with international distribution**
  - *Revista Română de Psihiatrie* - *Romanian Journal of Psychiatry* (Asociația Română de Psihiatrie și Psihoterapie); [www.romjpsychiat.ro](http://www.romjpsychiat.ro)
  - *Fiziologia-Physiology* (Official Journal of the Romanian Society of Physiological Sciences); [http://revista\\_fiziologia.umft.ro](http://revista_fiziologia.umft.ro)
  - *Revista Medicală Română* - *Romanian Medical Journal* (Societatea Națională de Medicină de Familie și Medicină Generală); <http://rmr.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](http://www.pm3.ro)
  - *Studii de Știință și Cultură* - *Studies of Science and Culture* ("Vasile Goldiș" University Press); [www.revista-studii-uvvg.ro](http://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](http://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](mailto:editor.jnp@omicsonline.org)), **Executive Editor**, OMICS Publishing Group ([www.omicsgroup.org/journals](http://www.omicsgroup.org/journals)), Los Angeles, CA, USA
  - An open access publishing house with over 2 million readers.
- *Translational Medicine* ([editor.tm@omicsonline.org](mailto:editor.tm@omicsonline.org)), OMICS Publishing Group ([www.omicsgroup.org/journals](http://www.omicsgroup.org/journals)), Los Angeles, CA, USA
  - An open access publishing house with over 2 million users.
  - \* **O M I C S** Publishing Group - **place 9 (nine) in the world in T O P 20 Publishers** of the International Database **INDEX COPERNICUS**, ahead of prestigious journals, publishing houses and global media groups such as: Am. Chem. Soc., Elsevier, Springer etc.
- *International Journal of Advanced Nursing Studies*  
Science Publishing Corporation ([www.sciencepubco.com](http://www.sciencepubco.com)), Dubai, UAE.