

December 1, 2008

CURRICULUM VITAE

Name : FRANGOPOL Petre T.

Born : May 26, 1933, Constanta, Romania

Civil status : Married, no children

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Education

- Chemical Engineering Department, Polytechnical Institute of Iasi, Romania (1951-1956)
- Post Graduate School, University of Bucharest, Faculty of Physics, one year (1956-1957); Nuclear Physics and Application of Nuclear Technology (M.Sc);
- Ph. D. (Dr. Eng.), Polytechnical Institute of Timisoara, Timisoara, Romania, (1967); (with Prof. Giorgio Ostrogovich, Department of Organic Chemistry);
- Post Doctoral Fellow, National Research Council, Ottawa, Ontario, Canada (1969-1970);
- Post Doctoral Research Associate, with a NASA contract at the George Washington University, Department of Chemistry, Washington D.C. , USA (1970-1971);
- Dozentenstipendium, Humboldt Foundation, Germany, (1972).

Present Position

- Scientific Counselor, National University Research Council, Ministry of Education and Research of Romania (2000 -);
- Scientific Counselor, "Horia Hulubei" National Institute of Physics & Nuclear Engineering, Magurele-Bucharest (2006 -);
- Member, Presidential Commission for the analysis and the elaboration of the policies in the fields of education and research (2006 -)

Former Positions

- Research officer, Institute of Atomic Physics, Laboratory of Labelled Organic Compounds, Magurele- Bucharest, Roumania (1956-1974);
- Staff member, Laboratory of Organic Chemistry, Polytechnic Institute, Bucharest, Romania (1957 - 1963);
- Head, Laboratory of Labelled Organic Compounds, Institute of Atomic Physics, Bucharest, (1964 -1974);
- Senior Research Officer, Institute of Atomic Physics (1974-1994).
- Professor of Biophysics and Biophysical Chemistry, "Alexandru Ioan Cuza" University, Faculty of Physics, Department of Biophysics and Medical Physics, Iasi, Romania (1991 -1999);
- Advisor to the Vice president of the Romanian Academy (1995 -1998);
- Professor of Biophysics and Biophysical Chemistry, "Babes-Bolyai" University, Cluj-Napoca, Romania, Faculty of Chemistry (1999-2002).
- Professor of Biophysics and Biophysical Chemistry, Western University "Vasile Goldis", Faculty of Medicine, Department of Biophysics, Arad, Romania (1997-1999).
- Professor, Department of Physics, Politehnica University, Bucharest, Romania (2002-2004)

Membership:

- International Oceanographic Institute – Black Sea Operational Center (from 1999);
- French Chemical Society (from 1969-1990);
- American Chemical Society (from 1970-1990);
- German Chemical Society (from 1971-);
- Romanian Chemical Society;

Awards:

- Prize "C. Miclescu" of Academy of Romania for Biophysical Chemistry Research (1990);
- Honor Diploma of the "Horia Hulubei" National Institute of Physics & Nuclear Engineering, Magurele-Bucharest (2006) for outstanding contributions to the Institute's activities from the very beginning of his foundations (1956);
- Diploma of Honorary Professor of the "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca, Romania (2008);
- The Great Honor Diploma of the National Commission of Archaeometry (1997);

Hommages

- On the occasion of the 70th anniversary (2003), *Revista de Chimie* (Bucuresti), published the homage signed by 21 personalities from different countries: Romania, USA, Germany, Sweden etc;
- On the occasion of the 75th anniversary (2008) *Revista de Chimie (Bucharest)*, published a *special issue* No. 11/2008 with 23 scientific papers, in english, each one dedicated to Professor Petre T. Frangopol

Publications:

- 99 scientific papers published in romanian and leading –quoted ISI -international journals, the so called *mainstream journals*;
- 154 papers quoted in *Science Finder* of the American Chemical Society;
- 66 papers non quoted by Science Finder; total (154 + 66)= 220 scientific published papers;
- 1 Romanian patent;
- 528 cited articles according the ISI (*Institute for Scientific Information- USA*);
- Index Hirsch = 13;
- numerous articles (45) published in cultural and scientific magazines: *Contemporanul*, *Tomis*, *Tribuna Școlii*, *Steaua* (Cluj-Napoca), *Forum*, *Știință și Tehnică*, *Curierul de Fizică* etc;
- 74 articles regarding *Science Policy in Romania* published (1999-2008) in the weekly supplement *Aldine* of the leading romanian newspaper “Romania libera”;
- 5 articles regarding *History of Chemistry in Romania*, published in *Revista de Chimie* (Bucharest), journal of the Romanian Chemical Society;
- 10 articles regarding *Scientometry*, published in Roumanian Scientific Journals (*Revista de Chimie*, *Revista de Politica Științei și Scientometrie* etc);
- 18 Technological internal reports (preparations of various chemical and labelled compounds for sale in the Romanian market);
- 5 reviews of scientific books;
- 5 papers with scientific contents (e.g. “anomalous water” or “aromatic character of metallic chelates etc);

Fields of interest:

- Organic Chemistry, Radiochemistry, Physical Organic Chemistry; Biophysical Chemistry; Biophysics; Medical Physics; Archaeometry, Oceanography, Science Policy; Management of Science Policy; Scientometrics, History of Chemistry in Romania.

Books in which are cited scientific papers of Petre T Frangopol

- a. *Organic Chemistry of Stable Radicals*, by A. R. Forrester, J. M Hay, R. H. Thomson, Academic Press 1968, pag.: 114, 116, 117, 136, 145, 174;
- b. *Free Nitroxyl Radicals*, by E. G. Rozantsev, Plenum Press, 1970, at the pag. IX, it is mentioned Frangopol P. T; among the *well known specialists at the present time* (the names of specialistes are cited, also, the names of the classics of the field, passed away);
- c. *Dolgojivuşcie radicali*, by E. G. Rozantsev, Ed. Nauka, Moscova 1972, at the pag. 96-97 alături de fotografia mea (sunt si alte fotografii ale chimiştilor cu rezultate top din domeniu din SUA, Rusia, Franta sau trecuți în neființă);
- d. *Free-radical chemistry –structure and mechanism* by D. C. Nonhebel, J.C. Walton, Cambridge Univ. Press, 1974, pag 123, 127;

Invited lectures and key speaker at many major Universities, Institutions and Scientific meetings around the world (selections)

USA (Gordon Conferences, Argonne National Laboratory, Brookhaven National Laboratory, George Washington University, Washington, D. C., Colorado University at Boulder. University of Illinois, Urbana etc), Umea University- Sweden, Stockholm University-Sweden, Centre d'Etudes Nucleaires de Grenoble et de Saclay, Leuven University, Belgium, Marburgh/Lahn University, Germany, Bratislava University-Slovakia; Athens, Thessaloniki, Patras and Ioannina Universities-Greece; EUCHEM Conferences, German Chemical Societies Annual Meetings, Novosibirsk Institute of Organic Chemistry- former USSR, Moscow Institute of Chemical Physics, etc etc.;

Editor of scientific books:

- Current Topics in Biophysics, published by Iasi University Press (in English), Iasi, Roumania;

Vol. 1 - 1992 , 316 pag. (in Roumanian)

Vol. 2 - 1993 241 pag (published by Iasi University Press, in English)

Vol. 3 - 1995 311 pag. (published by Iasi University Press, in English)

Vol. 4 - 1995 167 pag. (published by Iasi University Press, in English)

Vol. 5 - 1996 326 pag. (published by Iasi University Press, in English)

Vol. 6 - 1997 316 pag. (published by Iasi University Press, in English)

Topics: Biomembranes, Biosensors, Molecular Modelling etc. Authors are from 35 Universities and Scientific Institutions from 13 countries (USA, Canada, Japan, Europe)

- Seminars in Biophysics, vol. 1 - 6 (1985 - 1990), published –in english- by Institute of Atomic Physics (IAP) Press; Bucharest, Roumania in 1500 copies, each volume;

Vol 1-1985, 242 pag.

Vol. 2-3-1986 332 pag.

Vol. 4 –1987 194 pag

Vol 5 – 1988 183 pag

Vol 6 - 1989 194 pag

- Archaeometry in Roumania (with V. V. Morariu); vol. I, 164 pag.. (1988); vol. II, 189 pag. (1990) IAP Press, Bucharest, Roumania.
- Pentru Excelenta in Stiinta Romaneasca -For the Excellency in the Roumanian Science- Proceedings of the workshop held in Bucharest, March 26, 2008, Editors: Petre T Frangopol, N. V Zamfir and Tibor Braun, Casa Cartii de Stiinta Publishing House, 2008, 289 pages;

Member of the Editorial Board

- *Journal of Radioanalytical & Nuclear Chemistry, (Springer);*
- *Scientometrics (Springer);*
- *Revista de Politica Stiintei si Scientometrie (Ministry of Educaton and Research – National University Research Council);*

Books

- “**Mediocrity and Excellency**. A Radiography of the Science and Education in Roumania”, by Petre T Frangopol, Albatros Publishing House, Bucharest, 2002; 350 pages, **vol 1;**
- **Vol. 2,** Casa Cartii de Stiinta Publishing House, Cluj-Napoca, 2005, 288 pages;
- **Vol. 3,** Casa Cartii de Stiinta Publishing House, Cluj-Napoca, 2008, 367 pages;
- **Elite ale Cercetătorilor din România,** Matematică – Fizică – Chimie, Editura Cărții de Știință, Cluj-Napoca, 2004, 142 pag.

International Scientific Collaboration (before 1989) with:

- Centres d’Etudes Nucleaires de Grenoble (Prof A. Rassat) et de Saclay;
- National Science Foundations (University of Illinois, Urbana, Prof F. A. Kummerow);
- USSR Academy of Sciences (Institute of Chemical Physics, Moscow, Prof. E. G. Rozantsev)

International Scientific Cooperations and Collaborations (after 1989)

Director and Project Coordinator of contracts awarded by international and national (World Bank) competition. All the projects were elaborated and submitted by P. T. Frangopol:

- IAEA - Viena (1995 - 1996) - 251 000 USD - Project for the **first department** of Medical Physics in a Roumanian University (“ Al. I. Cuza” University Iași);

- SOROȘ FOUNDATION (1992-1995) 25 000 USD- Project for young researchers: **first PC computers in Romania only for students** in the Faculty of Physics, Iași, Biophysical and Medical Physics section;
- TEMPUS (1994 - 1997) - 150.000 USD- Project for training of the students in Medical Physics (**last year, master and Ph.D**) at Patras University, Greece under international supervision;
- COPERNICUS (1995 - 1998)- 100.000 USD (only for the Faculty of Physics)– Project of **new biosensors**, with 5 European Universities (Athens, Moscow, Warsaw, Bratislava, Regensburg, Manchester)
- WORLD BANK (1999-2001) – 280.000 USD (with Dr. A. T. Balaban)-Project Scientometrics in Romania, the ISI citation index to be available and in Romania for the National Council of Research of the Romanian Universities.
- WORLD BANK (2000-2003) - 450.000 USD (with Dr. D. Mihailescu and M.-L. Flonta); from this amount 200.000 USD have been allocated for Faculty of Chemistry, Dept. of Chemical Physics, “Babes-Bolya” University, Cluj-Napoca.
This interdisciplinary project *Molecular Physiology*, was classified **the first** among all the national contracts submitted.

LIST OF PUBLICATIONS

(1994 - 2004)

1. **Electrical current – noise influence on the sub-threshold excitability properties of a biomembrane: friend or foe ?** Tudor Luchian and P. T. Frangopol, *Rev. Roum. Chim.*, **49**, No.1, 25 - 35 (2004).
2. **Optimization of memory task allocation in stochastic functional self-organized sorting performed by cooperative autonomous mobile agents.** S.A. Oprisan and P. T. Frangopol, *Rom. Rep. Phys.*, **55**, Nr. 4, pp 657 - 666 (2003).
3. **Self – organization of mobile agents team. The memory registers optimization using correlation feature.** S. A. Oprisan and P. T. Frangopol, *Roum. J. Physics*, **48**, *Supplement I*, 247-255 (2003).
4. **History of Romanian chemistry. Negoită Dănăilă (1878 – 1953).** Petre T. Frangopol, *Rev. Chim.*, (Bucharest, Rom) **54**(1), 85-86 (2003).
5. **History of Chemistry in Romania. Tibor Braun at the 70th anniversary.** Petre T. Frangopol, *Rev. Chim.*, (Bucharest, Rom.) **53**(9), 2002.
6. **History of Chemistry in Romania. Emil Chifu (1925 – 1997).** *Rev. Chim.*(Bucharest, Rom.) **53**(6), 495-496 (2002).
7. **History of Chemistry in Romania. Brad Segal (1935 - 1995).** *Rev. Chim.* (Bucharest, Rom.) **53** (1), 95-96(2002).
8. **History of Chemistry in Romania. Radu Vâlceanu (1923 – 1996)** *Rev. Chim.*(Bucharest, Rom), **52**(6) 353-354 (2001).
- 9 **Interactions of some local anesthetics and alcohols with membranes.** P.T. Frangopol and D. Mihailescu, *Colloids and Surfaces. B, Biointerfaces*, (Elsevier) **22** (2001) 3-22.
- 10.. **Interaction of Procaine with Phosphatidylcholine Model Membrane at the Air/Water Interface.** Maria Tomoaia-Cotisel, A. Allan Cadenhead, E.Chifu, J. Zsako, Aurora Mocanu, P. T. Frangopol, *Langmuir (USA)*, 2005 (submitted).
11. **Pattern formation in an electrochemical oscillatory system: an analytical and numerical survey.** S. A. Oprisan, P. T. Frangopol, *Revue Roum. Chimie*, 2001, **46** (11) 27-31.
12. **Numerical analysis of compression isotherms of distearoyl monogalactosyl glycerol monolayers.** Maria Tomoaia-Cotisel, T. Oproiu, J. Zsako, Aurora Mocanu, P. T. Frangopol, P. J. Quinn, *Rev. Roum. Chimie*, **45**(9) 851-861(2000).

- 13. The Black Sea relevance in the next millennium sustainable development.** Petre T. Frangopol, *Proceedings of the International Oceanographic Institute –Black Sea Operational Center, Leadership Seminar*, Mamaia, Romania, September 21-23, 1999, A. S. Bologa and R. L. Charlier, Editors, Dada Publishing House, Constanta, Romania, 2000.
- 14.. Self-organization and competition in the immune response to cancer invasion: a phase oriented computational model of oncogenesis.** S.A. Oprisan, A. Ardelean and P.T. Frangopol, *Bioinformatics (Oxford)* **16**, no.2, 1-5 (2000) .
- 15. Distribution of planktonic primary production in the Black Sea.** A.S. Bologa, P.T. Frangopol, V.I. Vedernikov, L.V. Stelmakh, O.A. Yunev, A. Yilmaz, T. Oguz, *NATO Advanced Research Workshop: Environmental Degradation of the Black Sea: Challenges and Remedies*. Editors; S. Besiktepe, U. Unluata, A.S. Bologa, Constanta, Romania, October 6-10,1997, Kluwer Academic Publishers, Holland, 1999, pp.131-145.
- 16. Interactions of some local anesthetics with biomembranes. Procaine incorporation into human erythrocyte membrane.** P.T. Frangopol and D. Mihailescu, *Progress in Anesthetic Mechanism,(Japan), Special Issue*, vol. 6, 2000, *Proceedings of the 2nd International Workshop on Anesthetic Mechanism*, pp. 87-94.
- 17. A new model for metal-passivation process. The electrochemical interface of the Ni/H₂SO₄ system Investigated by Non-Linear Dynamical Methods.** S. A. Oprisan and P. T. Frangopol. *Revue Roumaine Chim.*, **44** (4) 313-318 (1999).
- 18. Acid dissociation constants of diphytanyl glycerol phosphoryl glicerophosphate and its deoxy analogue.** M. Tomoaia-Cotișel, M. Kates, J. Zsakó, E. Chifu, A. Mocanu, P. T. Frangopol, L. J. Noe and P. J. Quinn. *Chem. Phys. Lipids* **100**, 41-54 (1999).
- 19. Stiinta si Tehnologie.** A. T. Balaban si P. T. Frangopol, in *Romania 2020*, pag. 161-191. Editori: Mircea Malita si Calin Georgescu. Editura Conspress, Bucuresti, 1998, 320 pag.
- 20. Reforma politicii nationale stiintifice utilizand scientometria.** Petre T. Frangopol si Gheorghe Gussi, in *Scientometria si Politica Stiintei*, pag. 30-44, Masa Rotunda: 20 Mai 1998. Preprint, Academia Romana, 1998; 59 pag.,.
- 21.The Mesoscopic approach to chemical mechanism of tumor growth.** Sorinel Adrian Oprisan, Bogdan Tarus and Petre T. Frangopol, *Romanian J. Physics*, **43**, No. 1-2, 595-601 (1998).
- 22. Characteristics of ionic transport processes in fish intestinal epithelial cells.** Liviu Movileanu, Maria-Luiza Flonta, Dan Mihăilescu and Petre T. Frangopol, *Biosystems (Holland)*, (1998), **45**, 123-140, 1998.
- 23. Science and technology in the conditions of international competition and cooperation.** Petre T. Frangopol. *NATO Advanced Research Workshop: Science and Technology Management*, Editors: A. T. Balaban and E. Carabateas, Sinaia, Romania, May 21-24, 1997; pag. 232-236 (1998), IOS Press, Amsterdam, Holland.
- 24. The electrostriction, surface potential and capacitance relaxation of bilayer lipid membranes induced by tetracaine.** T. Hianik, M. Fajkus, B. Tarus, P. T. Frangopol, V. S. Markin and D. F. Landers. *Bioelectrochem. and Bioenergetics (Holland.)* **46**, 1-5 (1998).

- 25. An oscillatory electrochemical phenomenon observed in the anodic dissolution of iron in sulphuric acid solution with potassium dicromate.** V. Melnig, B. Tarus, P. T. Frangopol and M. Sanduloviciu, *Rev. Roum. Chim.*, **43**, (9), 831-840 (1998).
- 26. Instrumental neutron activation analysis of the hair of metallurgical workers.** R. Georgescu, A. Pantelica, M. Salagean, D. Craciun, M. Constantinescu, O. Constantinescu, P. T. Frangopol, *J. Radioanal. Nucl. Chem.*, **224** (1-2), 147-150 (1997).
- 27. La Physique Medicale en Roumanie.** P.T. Frangopol, SFPH-Societe Francaise des Physiciens d'Hopital, 1er Avril 1997, no.97-2, pp. 7-8.
- 28. Fourier Analysis of Potential Oscillations of Liquid Membrane for the Discrimination of Taste Substances.** D. Cucu, D. Mihăilescu, D. P. Nikolelis, M. L. Flonta and P. T. Frangopol *Biophysical Chem.*, **63**, 47-54, 1996.,
- 29. Dynamic Analysis possibilities of an electrochemical interface. The Ni / H₂SO₄.** V. Melnig, Romanescu, V. Buchete and P. T. Frangopol, *Rev. Roum. Chim.*, **42** (8) 659-668 (1997).
- 30. Procaine Binding to Stearic Acid Monolayers Spread at the Air/Buffer Interface. The influence of pH and surface pressures.** Maria Tomoaia-Cotisel, I. Zsako, E. Chifu, Aurora Mocanu, P. T. Frangopol and P. J. Quinn., *J. Rom. Colloid Surf. Chem. Assoc.*, **2**, (3-4), 30-36 (1997).
- 31. Lipid Membrane Electrochemistry and regulation of Membrane Fluidity for Analytical Signal Membrane Fluidity for Analytical Signal Generation.** U. J. Krull, D. P. Nikolelis and P. T. Frangopol, *Current Topics in Biophysics*, vol. 3 (1995), p. 17-29, Iasi University Press, Romania;
- 32. Medical Physics in Romania and at the "Alexandru Ioan Cuza" University.** C. Cotrutz, P. T. Frangopol, Gh. Popa, M. Sanduloviciu, Gh. Abusan and Gh. Matache, *Medical Radiation Physics, a European Perspective*, Editors: C. Roberts, S. D. Tabakov, Cornelius Lewis, pag.151-156, King's College, London, (1995).
- 33. Nonlinear dynamics of the immune system interaction with the bilocal cancer tumor.** V. A. Zaloj, A. Kh. Rotaru, A. E. Barbarosie, W. Van Driessche and P. T. Frangopol, *J. Biol. Phys.*, **21**, 155-176 (1995).
- 34. Experimental versus theoretical approaches to dynamical biological systems using chaos theory.** I. Andricioaei, V. A. Zaloj, B. Tarus and P. T. Frangopol. 1994. *Romanian J. Biophys.*, **5**, No.1, 49-61 (1995).
- 35. Procaine interactions with phospholipid monolayers at the air/water interface.** J. Zsako, Maria Tomoaia-Cotisel, E. Chifu, A. Mocanu and P. T. Frangopol, *Gazzetta Chim. Italiana*, **124**, 5-9(1994).

POLITICA ȘTIINȚEI

Articole de Petre T. Frangopol apărute

în suplimentul săptămânal ALDINE

**al ziarului România Liberă și strânse în volumul MEDIOCRITATE ȘI
EXCELENȚĂ – o radiografie a științei și învățământului din România-**

Editura Albatros, București, 338 pagini

*Science Policy; Articles published by Petre T. Frangopol in the weekly supplement
ALDINE of the leading newspaper România liberă (Free Romania)*

1. **Există o strategie națională pentru știință ?** (cu G. Gussi).
23 ianuarie 1999, pag. 3
2. **Cine dorește ca România să devină o colonie tehnologică ?**
13 martie 1999, pag. 2 și 3
3. **Decapitarea industriei românești**
3 aprilie 1999, pag. 2
4. **Inteligența românească la cheremul cadrelor ?**
Reforma morală – imperativ al Universității și Cercetării Științifice Românești
10 iulie 1999, pag. 2 și 3
5. **Contribuția generației 1956 de ne-fizicieni la dezvoltarea IFA**
4 septembrie 1999, pag. 4.
6. **Marea Neagră, o nouă Mare Moartă în secolul XXI ?**
27 noiembrie 1999, pag. 3
7. **Japonia la început de secol 21.**
Cheia succesului: sistemul de educație.
18 martie 2000, pag. 1,2 și 3
8. **Elite negative și încă ceva despre CENAPOSS**
8 aprilie 2000, pag. 1, 2 și 3
9. **Criza și reforma învățământului românesc. Cum arată școala astăzi
așa va arăta țara mâine**
22 aprilie 2000, pag. 1, 2 și 3
10. **Calitatea în învățământul românesc**
12 august 2000, pag. 1, 2 și 3
11. **De ce nu vor să se mai întoarcă tinerii bursieri români în țară**
7 octombrie 2000, pag. 2 și 3

12. **Politica științei - în dezbateră publică**
16 decembrie 2000, pag. 3
13. **Chiar dacă adevărul supără.....**
3 februarie 2001, pag. 4

14. **Sănătatea unei națiuni: educația alimentației**

24 februarie 2001, pag. 2 și 3

15. Chimia românească: între fală și paragină

12 mai 2001, pag. 2 și 3

16. Știința, viitorul României și Guvernul PDSR

16 iunie 2001, pag. 3

17. Degradarea învățământului, politică de stat după 1989 ?

21 iulie 2001, pag. 2 și 3

18. Cercetarea și Universitatea românească între valoare și impostură

22 septembrie 2001, pag. 2 și 3

19. Premiu european biofizicianului ieșean Al. Dașu

România liberă, 20 octombrie 2001, pag. 12

20. Universitățile americane – pepinierele bunăstării

17 noiembrie 2001, pag. 1, 2 și 3

21. Tradiția școlii oceanografice românești continuă

Liviu Giosan explorează Mările Australe

8 decembrie 2001, pag. 4

22. Ad Astra – Noua Junime Română

9 februarie 2002, pag. 1 și 4

23. Jocul de-a reforma școlii în România

16 martie 2002, pag. 2 și 3

POLITICA ȘTIINȚEI

Articole apărute în suplimentul de sâmbătă ALDINE al ziarului *România liberă* în anii 2002 și 2003

24. Universitatea și cercetarea științifică. Efervescentă în Europa, nepăsare în România.

11 mai 2002, pg. 2 și 3

25. Obiectiv al Guvernului: infantilizarea universităților din România

24 august 2002, pg 2 și 3

26. Informații destinate Guvernului României

7 septembrie 2002, pg.3

27. **Învățământul ieșean de inginerie chimică are 90 de ani !**
23 noiembrie 2002, pg. 4
28. **Manipulare și diletantism**
21 decembrie 2002, pg 2
29. **Dreptul elitei la existență în cercetarea și învățământul românesc**
22 februarie 2003, pg 2 și 3
30. **Un mare patriot: Negoită Dănăilă (1878 - 1953)**
12 aprilie 2003, pg. 4
31. **Adrisantul necunoscut ?!**
7 iulie 2003, pg. 4
32. **Radu Vâlceanu, părintele chimiei moderne timișene**
26 iulie 2003, pg. 2
33. **Science: Roxana Bojariu prognozează severitatea iernii următoare**
16 august 2003, pg 4
34. **Revista *Curierul de Fizică* în viața științifică românească**
Noiembrie 2003 (sub tipar)
35. **Etica Omului de Știință**
Prezentat redacției spre publicare (octombrie 2003)

A inițiat în *Curierul de Fizică* începând cu nr. 43 serialul *Elita Cercetătorilor din România* care se bucură de o reală apreciere, prezentând biografii ale fizicienilor, chimiștilor și matematicienilor de recunoscută reputație internațională.