

PERSONAL INFORMATION

Emeritus professor TEODOR VISAN



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Sex Male | Date of birth 25/09/1943 | Nationality Romanian

Work experience

Emeritus professor, PhD, chemical eng. in: University POLITEHNICA Bucharest, Dept. Inorganic Chemistry, Physical Chemistry and Electrochemistry, Lab. Applied Physical Chemistry and Electrochemistry; also, affiliated to Center of Surface Science and NanoTechnology from University POLITEHNICA Bucharest.

Dates:

Since 2012 –up to day: **emeritus professor (retired) and PhD advisor (continued)**, 33 doctors defended their theses in Chemistry; currently supervising 6 PhD students  
 1992 -2012: **full university professor** and **PhD advisor** (prof. habil);  
 1990-1992: **assoc. professor** (reader), PhD advisor since sept.1990;  
 1977-1990: **lecturer**; 1969-1977: **teaching assistant** (assist.prof.); 1966-1969: **trainee assist. prof.**;  
 1966: Chemical Engineer diploma (master level).  
 1961-1966: **student** of Industrial Chemistry Faculty, Polytechnic Institute of Bucharest.

Main activities and responsibilities:

Advisor for PhD students, courses, labs and seminars taught in English and Romanian for master and licence level, advisor for licence diploma and master dissertation.

Education and training

Sept. 2002 – invited professor at Univ. *Heinrich Heine*, Dusseldorf; DECHEMA german scholarship;  
 June 1998 – research stage at *Politecnico di Torino*; TEMPUS european scholarship;  
 April-August 1995 – research stage at *Joseph Fourier* University, Grenoble, TEMPRA french scholarship granted from Rhone-Alpes region;  
 July 1991 – invited professor, *Université Pierre et Marie Curie*, Paris; CNRS french scholarship;  
 1969-1977 – doctorat stage and PhD thesis defended, Politehnic Institute Bucharest / PhD diploma in Physical Chemistry;  
 1968-1972 – specialisation research at: Institute of Physical Chemistry of Romanian Academy, Bucharest;  
 1966-1969 – student at second faculty, Faculty of Chemistry, University of Bucharest; passed the exams at licence level in Physical Chemistry;  
 1961-1966 – student at Faculty of Industrial Chemistry, Politehnic Institute of Bucharest / diploma of merit in chemical engineering (as chief of 1966 promotion), specialisation: Electrochemical Technology and Corrosion.

Principal subjects/Occupational skills covered

Expert in teaching and research, Physical Chemistry & Electrochemistry researcher, engineer in electrochemical technology and corrosion. Expertise in electrochemical techniques, electrode processes, mechanisms, and physico-chemical characterization of the electrode/electrolyte interface in various electrolytes including ionic liquids, electrodeposition, batteries.

Level in national or international classification:

Level 6 (according to CISE)

Mother tongue

Romanian

Other language(s)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C2	C1

French	C1	C2	C1	C1	C2
Russian	B1	B2	B1	B1	B1

[Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
Common European Framework of Reference for Languages](#)

**Social skills and competences** Advisor for PhD students; also for young researchers; also directed dissertations of master students and diploma works for students at licence level

**Organisational skills and competences** 1990–2012 member in board of Department, as head of Electrochemical Techniques research group  
2000-2004 head of Department, member in University Senate of Univ. POLITEHNICA Bucharest  
1992-2004 member in the Council of Applied Chemistry and Materials Science Faculty  
1992-1996 deputy dean (vice-dean) of Faculty of Applied Chemistry and Materials Science

**Technical skills and competences** -Evaluation expert at European FP-7 Programme (remotely and in Brussels, 2010) and also at international level: Int.Science Foundation –USA (1994-1996), Fulbright Comission –USA (2000-2005), Swedish Acad.for Nobel Prize awards (involved in 2000 and 2005);  
-Evaluation expert for Romanian Research Programs (ANCS, CNCSIS, ANSTI);  
-Coordinator of ASRO Standardization Committee No. 157 – Galvanic Deposition and Corrosion (since 2006-up to present);  
-Member in editorial boards of journals: in USA-Recent Patents in Corrosion (up to 2013), in Romania – Corrosion and Corrosion Protection (up to 2014);  
-Reviewer for manuscripts submitted to many Romanian journals and International journals;  
-Member in scientific committees at: “Acumulatorul” Company Bucharest (1994-1998), “ICPE Advanced Researches” Institutue Bucharest (2005-2012).

**Computer skills and competences** Usual softwares

**Other skills and competences** -Invited professor or visiting scientist for presenting invited lectures in France, Germany, Belgium, Greece, Croatia;  
-chairman or member in scientific (or organizing) committees of conferences (Greece, Croația, Germany, Serbia);  
-chairman (unique organizer chairman) for conferences held in Bucharest, Constanta, Miercurea Ciuc, Petrosani, Sibiu, Tg.Mures, Cluj, Oradea.

**Driving licence** B

Publications Presentations Projects Conferences Seminars Honours and awards Memberships References Citations Courses Certifications	<p>Scientific results:</p> <p>-86 articles published in ISI journals (40 abroad in international journals), 57 in other journals (BDI or non-indexed, in Romania, USA, Italy), 70 papers in Proceedings volumes (17 in volumes published abroad);</p> <p>-16 books as author and author/editor, one book printed in Spain (Gran Canaria);</p> <p>-18 chapters in books (4 edited abroad: Helsinki Univ. Press, Trans. Tech. Switzerland, Elsevier Amsterdam, INTECH Rijeka Croatia);</p> <p>-3 Romanian patents, one was awarded with a National Prize, 1987 (Tg.Mures);</p> <p>-260 oral and poster presentations at many conferences and congresses in Romania and abroad;</p> <p>-director (or partner coordinator) of 27 research contracts (gained by contest) representing 58 annual contracts, director of a World Bank contract, participant at 4 international collaborations from which I was director for 2 collaborations (Spain, China);</p> <p>-member in 3 Romanian chemical societies and in 3 international societies: EURACHEM, EAST-European Academy of Surface Treatment (Germany), in which I was national representative (2007-2015), and International Society of Electrochemistry (Switzerland) in which I was national representative (2006-2008).</p> <p>Awards and diplomas: Prize at National Exhibition for Patents at Tg.Mures, diploma from editorial board of Rev.Chim.(Bucharest), UPB University Research Prize, Chiminform Data diploma.</p>
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## ANNEXES

### Selected list of recent published papers

1. A. Florea, L. Anicai, S. Costovici, F. Golgovici, T. Visan, Ni and Ni alloy coatings electrodeposited from choline chloride-based ionic liquids – electrochemical synthesis and characterization, *Surf. Interface Anal.* 42 (2010) 1271–1275.
2. F. Golgovici, A. Cojocar, M. Nedelcu, T. Visan, Cathodic deposition of components in BiSbTe ternary compounds as thermoelectric films using choline-chloride-based ionic liquids, *J. Electron. Mater.* 39 (9) (2010) 2079-2084.
3. F. Golgovici, A. Cojocar, L. Anicai, T. Visan, Surface characterization of BiSbTe thermoelectric films electrodeposited from chlorides aqueous solutions and choline chloride based ionic liquids, *Mater. Chem. Phys.* 126 (3) (2011) 700-706.
4. Ma. Sima, T. Visan, E. Matei, F. Ungureanu, I. Enculescu, M. Sima, Electrochemical growth of eosine Y / manganese doped ZnO as hybrid films and nanowires, *Z. Phys. Chem.*, 225 (2011) 325-339.
5. F. Golgovici, T. Visan, Cathodic deposition of components in PbTe compounds using choline chloride - ethylene glycol ionic liquids, *Chalcog. Lett.*, 8 (2011) 487-497.
6. C. Agapescu, A. Cojocar, A. Cotarta, T. Visan, Electrodeposition of bismuth, tellurium and bismuth telluride thin films from choline chloride – oxalic acid ionic liquid, *J. Appl. Electrochem.* 43 (3) (2013) 309-321
7. W. Wang, Y. Ji, H. Xu, H. Li, T. Visan, F. Golgovici, A high packing density micro-thermoelectric power generator based on film thermoelectric materials fabricated by electrodeposition technology, *Surf. Coat. Technol.*, 231 (2013) 583–589
8. L. Anicai, A. Florea, M. Buda, T. Visan, Polypyrrole films doped with phosphomolybdate anions on Al surfaces – Formation and corrosion protection characterisation, *Z. Phys. Chem.*, 227 (8) (2013) 1121-1141
9. L. Anicai, A. Petica, S. Costovici, P. Prioteasa, T. Visan, Electrodeposition of Sn and NiSn alloys coatings using choline chloride based ionic liquids – evaluation of corrosion behavior, *Electrochim. Acta*, 114 (2013) 868-877
10. A. Cojocar, M.L. Mares, P. Prioteasa, L. Anicai, T. Visan, Study of electrode processes and deposition of cobalt thin films from ionic liquid analogues based on choline chloride, *J. Solid State Electrochem.*, 19 (4), 2015, 1001-1014
11. L. Anicai, S. Costovici, A. Cojocar, A. Manea, T. Visan, Electrodeposition of Co and CoMo alloys coatings using choline chloride based ionic liquids - evaluation of corrosion behavior, *Trans. Inst. Metal Finishing*, 93 (6), 2015, 302-312
12. F. Golgovici, A.-S. Catrangu, T. Visan, The formation and characterization of copper telluride films from choline chloride – urea ionic liquid, *Int. J. Electrochem. Sci.*, 11, 2016, 915-928
13. F. Golgovici, A.-S. Catrangu, A.B. Stoian, L. Anicai, T. Visan, Preparation of copper telluride films by co-reduction of Cu(I) and Te(IV) ions in choline chloride - ethylene glycol ionic liquid, *J. Electron. Mater.* 45 (7) (2016) 3629-3639.
14. A.-S. Catrangu, I. Sin, P. Prioteasa, A. Cotarta, A. Cojocar, L. Anicai, T. Visan, Studies of antimony telluride and copper telluride films electrodeposition from choline chloride containing ionic liquids, *Thin Solid Films*, 611 (2016) 88–100.
15. S. Costovici, A.-C. Manea, T. Visan, L. Anicai, Investigation of Ni-Mo and Co-Mo alloys electrodeposition involving choline chloride based ionic liquids, *Electrochim. Acta*, 207 (2016) 97-111.