

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) Daniel Mircea Sutiman
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Fax(es) +40232271311
E-mail sutiman@ch.tuiasi.ro
Nationality Romanian
Date of birth 09/08/1957
Gender male

Desired employment / Occupational field

Professor

Work experience

Dates	1982 - 1988
Occupation or position held	Engineer
Name and address of employer	CCH Craiova
Dates	1988-1996
Occupation or position held	Assistant
Main activities and responsibilities	Teaching and scientific research activities
Name and address of employer	Technical University „Gh. Asachi” Iași, Faculty of Chemical Engineering and Environmental Protection Mangeron Street nr.71A, zip code 700050, Tel.: +40232278683, Fax : +40232271311, Website: www.tuiasi.ro
Type of business or sector	Education
Dates	1996-1998
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching and scientific research activities
Name and address of employer	Technical University „Gh. Asachi” Iași, Faculty of Chemical Engineering and Environmental Protection Mangeron Street nr.71A, zip code 700050, Tel.: +40232278683, Fax : +40232271311, Website: www.tuiasi.ro
Type of business or sector	Education
Dates	1999-2003
Occupation or position held	Associate Professor
Main activities and responsibilities	Teaching and scientific research activities

Name and address of employer Technical University „Gh. Asachi” Iasi, Faculty of Chemical Engineering and Environmental Protection
Mangeron Street nr.71A, zip code 700050, Tel.: +40232278683, Fax : +40232271311, Website:
www.tuiasi.ro

Type of business or sector Education

Dates From 2003 until present

Occupation or position held Professor

Main activities and responsibilities Teaching and scientific research activities

Name and address of employer Technical University „Gh. Asachi” Iasi, Faculty of Chemical Engineering and Environmental Protection
Mangeron Street nr.71A, zip code 700050, Tel.: +40232278683, Fax : +40232271311, Website:
www.tuiasi.ro

Type of business or sector Education

Education and training

Dates 1989 -1997

Title of qualification awarded PhD

Principal subjects/occupational skills covered Corrosion behavior of alloys and metals in organic and inorganic environments
Synthesis and characterization of inorganic coordination compounds
Specific techniques for the analysis of complex combinations: IR, XRD, Thermal analysis, NMR and investigation of the corrosion processes.

Name and type of organisation providing education and training Faculty of Chemical Engineering and Environmental Protection, Technical University “Gheorghe. Asachi” Iasi, Romania

Dates 1977 – 1982

Title of qualification awarded BSc

Principal subjects/occupational skills covered The chemistry profile
Technology of inorganic compounds specialization

- Chemistry of inorganic compounds
- Engineering of chemical reactions
- Technologies of high tonnage inorganic compounds and of chemical substances with special properties

Name and type of organisation providing education and training Faculty of Chemical Engineering and Environmental Protection, Technical University “Gheorghe. Asachi” Iasi, Romania

Dates 1972-1976

Title of qualification awarded Graduate with baccalaureate

Principal subjects/occupational skills covered Disciplines corresponding real profile

Name and type of organisation providing education and training Nicolae Titulescu High School, Craiova, Romania

Personal skills and competences

Mother tongue(s) Romanian language

Other language(s)

Self-assessment
European level ()*

French

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences Team player; adaptable to different cultural and scientific environments; good communication skills

Organisational skills and competences	Spirit of organisation; experience in team management
Technical skills and competences	Technical competent on the processes in the chemical industry of inorganic compounds
Computer skills and competences	Advanced user of computer in teaching activities and scientific research
Driving licence	Category B driving licence
Additional information	Publications in journals: 174 (89 indexed ISI) Books: 19 Patents: 10 Research grants: 20 Presented paper 66

Representative scientific papers

1. Photoluminescent properties of novel Y(III), Sm(III), Eu(III), Gd(III) and Tb(III) complexes with 2-(1H-1,2,4-Triazol-3-yl)pyridine. C. Stan, C. Peptu, N. P. Horlescu, D. Sutiman. *Inorganica Chimica Acta*, 429, p.160-167, 2015, **doi:10.1016/j.ica.2015.01.041**, (factor impact ISI =2.041).
2. One step synthesis of fluorescent carbon dots through pyrolysis of N-hydroxysuccinimide. C.S.Stan, C.Albu, A.Coroaba, M.Popa, D.Sutiman. *Journal of Materials Chemistry*, vol. 3, nr. 4, p. 789-795, 2015, **doi: 10.1039/C4TC02382J**, (factor impact ISI =6.626),
3. Photoluminescent Red, Green and Blue monoliths new Eu(III), Tb(III) and Y(III) complexes embedded in silics matrix. C.S.Stan, M.Popa, D.Sutiman, P.Horlescu. *Electronic Material Letters*, vol. 10, 4, 2014, 827-835, **DOI: 101007/s13391-014-3240-5** (factor impact ISI =3.977).
4. Neuro-evolutionary optimization methodology applied to the synthesis process of ash based adsorbents. S. Curteanu, G. Buema, C. G. Piuleac, D. Sutiman, M. Harja. *Journal of Industrial and Engineering Chemistry*, 20, 2014, p. 597-604, 2014, **DOI: 10.1016/j.jiec.2013.05.020** (factor impact ISI =1.977).
5. Uranium removal from aqueous solutions by raw and modified thermal power plant ash. G.Buema, F.Noli, P.Misaelides, D.M. Sutiman, I.Crețescu, M.Harja. *Journal of Radioanalytical and nuclear chemistry*, 299, 2014,p.381-386, **DOI 10,1007/s10967-013-2801-7** (factor impact ISI =1,467)
6. The estimation of corrosion behaviour of ZrTi binary alloys for dental applications using electrochemical techniques. D.Mareci, G. Bolat, R. Chelariu, D. Sutiman, C. Munteanu. *Materials Chemistry and Physics*, 141, 362 – 369, 2013, (factor impact ISI =2.234).
7. Evaluation of the corrosion resistance of new ZrTi alloys by experiment and simulation with an adaptive instance-based regression model. Daniel Mareci, D. Sutiman, R. Chelariu, F. Leon, S. Curteanu, *Corrosion Science*, 73, 106–122, (2013) (factor impact ISI =3.734)
8. Electrochemical characterization of ZrTi alloys for biomedical applications. Part 2. The effect of thermal oxidation. G. Bolat, J. Izquierdo, D. Mareci, D. Sutiman, R. M. Souto, *Electrochimica Acta* , Volume 106, 1 September 2013, Pages 432-439, 2013, **DOI: <http://dx.doi.org/doi:10.1016/j.electacta.2013.05.093>**(factor impact ISI =3.832).
9. Characterisation of the localized surface chemical activity of Ti-Mo and Ti-Ta alloys for biomedical application using Scanning Electrochemical Microscopy. G. Ciurescu, J. Izquierdo, J.J. Santana, D. Mareci, D. Sutiman, S. González, R.M. Souto. *Int. J. Electrochem. Sci.*, 7, 2012, 7404 – 7424, (factor impact ISI =3.729).
10. On the correlation between thermal analysis results and corrosion behaviour of some metallic religious artifacts. I.Rusu, D.Sutiman, G.Lisa, D.Mareci, N.Melniciuc-Puica. *Journal of Thermalanalysis and Calorimetry*, 2, vol. 104, 2011, p.423-430. (factor impact =1,587).
11. Removal of cadmium(II) from aqueous solution by adsorption onto modified algae and ash. M. Harja, G. Buema, L. Bulgariu, D. Bulgariu, D. M. Sutiman, G. Ciobanu. *Korean Journal of Chemical Engineering*, 32, (9), 2015, p. 1804-1811, **DOI: 10.1007/s11814-015-0016-z**, (factor impact ISI=1.241).
12. Electrochemical and SEM characterization of YsZ coated CoCrMo alloy processed by plasma sprayed technique. M.Romas, D.Mareci, D.Sutiman, L.C.Trica, S.I. Strugariu, C.Munteanu. *Environmental Engineering and Management Journal*, vol. 14, 11, 2015, p.2719-2724. (factor impact ISI=1.258).
13. . Electrochemical behaviour of austenitic stainless steel in 3.5 wt% NaCl solution in the presence of caffeine environmental friendly corrosion inhibitor. G.Bolat, A.Cailean, D.Sutiman, D.Mareci. *Revue Roumain de Chimie*, 59, 1 2014, p. 53-59. (factor impact ISI=0.331).
14. Influence of Cffeine on the passivity of Cobalt-Chromium-Molybdenum alloy in artificial saliva. M. Romaș, D. Mareci, S. Curteanu and D. Sutiman. *Revue Roumain de Chimie*, 58, 1 2013, p. 11-17. (factor impact ISI=0.331).
15. Aplication of dynamic electrochemical impedance spectroscopy to the evaluation of the corrosion resistance of a historic bronze object in artificial acid rainwater. D. Mareci, I. Rusu, R. Chelariu, G. Bolat, C. Munteanu, D. Sutiman,R.M. Souto. *European Journal of Science and Theology*, December 2013, Vol.9, No.6, p.189-199. (factor impact ISI=0.389).

Representative Patents

1. A process for preparing a vanadium pentoxide spent catalysts. I.Roșca, D.Sutiman, N.Foca, Al.Constantinescu, M.Roșca, Brevet RO 106121. *Gold Medal International Exhibition of Inventions and New Technologies INVENTIKA 2008, Bucharest, Romania. Diploma of Excellence and Gold Medal International Exhibition of Research, Innovation and invention, Seventh Edition, 2009 Cluj-Napoca.*
2. A process for preparing a nickel chloride catalyst used in hydrogenating the oil used. C.Stan,I.Roșca,Al.Constantinescu D.Sutiman, N.Foca, G.Frunză, Brevet RO 106236. *Gold Medal International Exhibition of Inventions and New Technologies INVENTIKA 2008, Bucharest, Romania. Diploma of Excellence and Gold Medal International Exhibition of Research, Innovation and invention, Seventh Edition, 2009 Cluj-Napoca.*

3. Process for the production of nitrate or nickel sulfate in the spent catalysts used in hydrogenation of the oil. I.Roșca, D.Sutiman, N.Foca, Al.Constantinescu, S.Petrescu. Brevet RO 106235. *Bachelor degree, International Specialized Exhibition INFOINVENT 2000 Chisinau, Moldova.*

4. Falling film evaporator. Petrescu, D.Sutiman, D.Roșca. Brevet RO 104355

5. The process of obtaining and using a tanning product for natural hides. M.Crudu, V.Deselnicu, M.Niculescu, N.Boca, D.Sutiman, D.Sibiescu, A.Cailean, RO126300-A2. *Gold Medal Exhibition of Creativity and Innovation EUROINVENT 2010, Iasy, Romania.*

Representative books.

1. Inorganic Chemistry at Leeds, I.Rusu, A.Căilean, D.Sutiman, Publisher MATRIX ROM, ISBN 973-685-168-0, Bucharest 2000, p. 277.

2. Introduction to modern Inorganic Chemistry. Atom, molecule, substance. I.Roșca, D.Sutiman, D.Sibiescu, Gh.Doncean. Publisher PERFORMANTICA, ISBN 973-8075-03-3, Iasy 2000, p. 397.

3. Deactivation. Regeneration and catalyst recovery. M.T.Nechita, D.M.Sutiman, I.Roșca. Publisher PIM, Iasi, 2005, ISBN 973-716-194-7, 200 p.

4. Bases of Inorganic Chemistry. D.M.Sutiman. Publisher ECOZONE, Series: Chemistry and the Environment, Iasy, 2008, ISBN 978-973-7645-35-7, 335 p. 350.

5. Renewable energy sources. Second edition, revised and supplemented. D.Sutiman, D.Mareci, I.Roșca. Publisher ECOZONE, 2010, Iasy, ISBN 978-973-7645-71-5, 324 p. Bronze medal at the National Book Fair Technical - Scientific within EUROINVENT, Iasi in 2010.

24.11.2016

Prof.univ.dr.ing Daniel Mircea Sutiman

