

*Comment*

## CURRICULUM VITAE

### CSUNDERLIK CAROL (1941 – 2012)



- Date of birth: October 9, 1941.
- Place of birth: Reșița (Romania).
- Education:
  - Mixed High School No. 1, Reșița (1959);
  - Faculty of Chemistry, “Babeș-Bolyai” University of Cluj-Napoca (1959-1964), specialization: Organic Chemistry;
  - PhD in Chemistry (1970-1977), Faculty of Chemistry, “Babeș-Bolyai” University of Cluj-Napoca.
- Teaching career: University Politehnica Timișoara, Faculty of Industrial Chemistry and Environmental Engineering (1964-2011);
  - Teaching subjects (courses and laboratory applications): Organic Chemistry, Biochemistry, Natural Compounds Chemistry, Spectroscopic Methods for Structure Determination;
  - Full professor from 1992, PhD supervisor (over 20 theses) at Department of Organic Chemistry (head of department at Department of Applied Chemistry and Natural and Organic Compounds Engineering during 1990-2000).
- 1996-2005: scientific researcher (CS I) at Institute of Chemistry Timișoara of Romanian Academy.

- Co-author:
  - “Curs de chimie organică” (5 volumes);
  - “Structura și proprietățile compușilor organici”.
- Mentor for pupils who participated at chemistry national contests (“olimpiade”) for 15 years, also a member in the contests’ commissions.
- Research fields: the chemistry of carbonic acid’s organic derivatives, various organic syntheses, spectroscopic methods for determination of organic compounds structure (NMR, IR, MS, RX); head of national research projects (both CNCSIS and ANCSIS).
- Scientific collaborations with universities from Romania (West University of Timișoara, “Victor Babeș” University of Medicine and Pharmacy of Timișoara, “Babeș-Bolyai” University of Cluj-Napoca, University Politehnica of Bucharest, “Gheorghe Asachi” Technical University of Iași and “Alexandru Ioan Cuza” University of Iași) and other countries (Institute of Organic Chemistry – Technical University Braunschweig from Germany, INSA Lyon from France, Montpellier 2 University from France, University of Seville from Spain, University of Alabama from USA).
- Scientific career: over 100 scientific works published locally and abroad.
- Patents: 7.
- The “Nicolae Teclu” prize of the Romanian Academy (1989), member in the scientific committee of the Conference of Chemical Societies from Southeastern Europe (2002), editor for *Revista de Chimie* – Bucharest and editor-in-chief for *Chemical Bulletin* of “Politehnica” University of Timisoara, member of the American Chemical Society and leading member in the Romanian Chemical Society.

### **List of scientific papers (selective):**

#### **A. Books:**

- Radu Bacaloglu, Carol Csunderlik, Liviu Cotarcă, “Structura și proprietățile compușilor organici”, vol. I, Ed. Tehnică. București, 1985;
- Carol Csunderlik, Liviu Cotarcă, Hans Horst Glett, “Structura și proprietățile compușilor organici”, vol II – “Hidrocarburi”, Ed. Tehnică, București, 1987.

**B. Typed courses:**

- Radu Bacaloglu, Carol Csunderlik, “Chimie organică”, Ed. Politehnica, Timișoara, 1985:
  - Vol. I: “Introducere. Hidrocarburi”;
  - Vol. II: “Combinății organice”;
  - Vol. III: “Combinății organice cu funcțiuni simple”;
  - Vol. IV: “Combinății organice cu funcțiuni compuse”.

**C. Scientific articles (indexed in the *ISI Web of Science* and *Scopus* databases):**

1. Title: Theoretical Considerations on the Hydrolysis of 2-Dichloromethylbenzimidazole

Authors: Pop, Raluca; Medeleanu, Mihai; Csunderlik, Carol

Source: INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 111  
Issue: 12 Pages: 2868-2873 DOI: 10.1002/qua.22776 Published: OCT 2011

2. Title: Bis(O-nitrophenyl) Carbonate as a New Reagent for the Synthesis of Chiral Oxazolidin-2-ones

Authors: Simon, Monika; Micle, Andreea; Badea, Valentin; Csunderlik, Carol

Source: SYNTHETIC COMMUNICATIONS Volume: 39 Issue: 15 Pages: 2633-2639  
Article Number: DOI: 10.1080/00397910802663360 Published: 2009

3. Title: Synthesis of Bis-ureas from Bis(o-nitrophenyl) Carbonate

Authors: Turoczi, Maria-Cristina; Simon, Monika; Badea, Valentin; Csunderlik, Carol

Source: MOLECULES Volume: 13 Issue: 12 Pages: 3192-3197 DOI:  
10.3390/molecules13123192 Published: DEC 2008

4. Title: Structural Studies of Some o- and p-Nitrophenylcarbamates by IR Spectroscopy and X-Ray Diffraction

Authors: Simon, Monika; Csunderlik, Carol; Jones, Peter G.

Source: ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF  
CHEMICAL SCIENCES Volume: 63 Issue: 12 Pages: 1402-1406 Published: DEC  
2008

5. Title: Solid-phase lipase biocatalysts for kinetic resolutions

Authors: Peter, Francisc; Zarcu, Cristina; Kakasi-Zsurka, Sandor; Croitoru, Ramona;  
Davidescu, Corneliu; Csunderlik, Carol

Source: JOURNAL OF BIOTECHNOLOGY Meeting Abstract: V3-P-049 Volume:  
136 Pages: S374-S374 DOI: 10.1016/j.jbiotec.2008.07.860 Supplement: S Published:  
OCT 2008

6. Title: Enhancement of lipases enantioselectivity by entrapment in hydrophobic sol-gel materials: Influence of silane precursors and immobilization parameters  
Authors: Peter, Francisc; Zarcu, Cristina; Kiss, Claudia; Csunderlik, Carol; Poppe, Laszlo  
Source: JOURNAL OF BIOTECHNOLOGY Volume: 131 Issue: 2 Pages: S109-S109  
DOI: 10.1016/j.jbiotec.2007.07.187 Supplement: S Published: SEP 2007
7. Title: Synthesis of new active o-nitrophenyl carbamates  
Authors: Simon, M.; Csunderlik, C.; Cotarca, L.; Caproiu, M.T.; Neda, I.; Turoczi, M.C.; Volpicelli, R.  
Source: SYNTHETIC COMMUNICATIONS Volume: 35 Issue: 11 Pages: 1471-1479  
DOI: 10.1081/SCC-200057986 Published: 2005
8. Title: Synthesis, crystal structure, and spectral properties of a cobalt(II) complex with N-salicylidene-p-toluidine  
Authors: Cseh, L.; Csunderlik, C.; Pantenburg, I.; Meyer, G.; Costisor, O.  
Source: ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE  
Volume: 629 Issue: 6 Pages: 985-988 DOI: 10.1002/zaac.200200438 Published: JUN 2003
9. Title: A second polymorph of bis(o-nitrophenyl) carbonate  
Authors: Simon, M.; Csunderlik, C.; Jones, P.G.; Neda, I.; Fischer, A.K.  
Source: ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE  
Volume: 59 Pages: O688-O690 DOI: 10.1107/S1600536803007487 Part: 5  
Published: MAY 2003
10. Title: N,N'-Carbonyldisuccinimide  
Authors: Simon, M.; Csunderlik, C.; Jones, P.G.; Neda, I.; Tarta-Micle, A.  
Source: ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE  
Volume: 59 Pages: O686-O687 DOI: 10.1107/S1600536803007815 Part: 5  
Published: MAY 2003
11. Title: Bis(p-nitrophenyl) carbonate-benzene (3/1)  
Authors: Simon, M.; Csunderlik, C.; Jones, P.G.; Neda, I.; Fischer, A.K.  
Source: ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE  
Volume: 59 Pages: O691-O692 DOI: 10.1107/S1600536803007499 Part: 5  
Published: MAY 2003
12. Title: N,N'-Disuccinimidyl carbonate  
Authors: Simon, M.; Csunderlik, C.; Jones, P.G.; Neda, I.; Tarta-Micle, A.  
Source: ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE  
Volume: 59 Pages: O683-O685 DOI: 10.1107/S1600536803007803 Part: 5  
Published: MAY 2003

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13. Title: Facile bromination of the benzene ring during the cyclisation of the 1H-3-methyl-4-ethoxycarbonyl-5-arylidenehydrazonopyrazoles to the 3-substituted-aryl-1H-6-methyl-7-ethoxycarbonyl-pyrazolo[3,2-c]-s-triazoles  
Authors: Csunderlik, C.; Bercean, V.; Peter, F.; Badea, V.  
Source: ARKIVOC Pages: 133-141 Part: 2 Published: 2002
14. Title: Synthesis and characterization of some 3D metal ions complexes with N-salicyliden-p-toluidine  
Authors: Cseh, L.; Pantenburg, I.; Csunderlik, C.; Mracec, M.; Costisor, O.  
Source: JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 86 Issue: 1 Pages: 193-193 Published: AUG 2001
15. Title: Some aromatic amine transport through emulsion liquid membranes  
Authors: Stefanut, M.; Novac, A.; Amanatidou, E.; Csunderlik, C.  
Source: SEPARATION SCIENCE AND TECHNOLOGY Volume: 31 Issue: 16 Pages: 2219-2229 DOI: 10.1080/01496399608001042 Published: 1996
16. Title: SYNTHESIS OF THE MONOMERIC ANTIOXIDANT - 3,5-DI-TERT-BUTYL-4-HYDROXY-STYRENE BY THE THERMAL-DECOMPOSITION OF TRANS-3,5-DI-TERT-BUTYL-4-HYDROXYCINNAMIC ACID  
Authors: MUNTEANU, D.; CSUNDERLIK, C.; TINCUL, I.  
Source: JOURNAL OF THERMAL ANALYSIS Volume: 37 Issue: 2 Pages: 411-426 DOI: 10.1007/BF02055942 Published: FEB 1991
17. Title: POLYETHYLENE-BOUND ANTIOXIDANTS  
Authors: MUNTEANU, D.; CSUNDERLIK, C.  
Source: POLYMER DEGRADATION AND STABILITY Volume: 34 Issue: 1-3 Pages: 295-307 DOI: 10.1016/0141-3910(91)90124-A Published: 1991