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RESEARCH INTERESTS

Chemical Reaction Engineering & Chemical Process Engineering

- Kinetic modelling and reactor design;
- New photo- and electro- photochemical separation processes.
- Inorganic Product Engineering.

SUMMARY OF PUBLISHED AND UNPUBLISHED WORKS

127 Papers in journals (20 in foreign journals)

102 Articles in volumes (25 in volumes published abroad, 31 Symp with International attendance, 46 National or regional conferences);

23 Books (7 central edit., 11 local edit., 5 foreign edit.);

86 Miscellaneous (72 book reviews, 8 notes on History of Science, 6 chronicles and other papers);

44 Scientific Reports of Grants and Contracts;

279 Communications (poster/lecture/conference) at 122 Symposia (29 organized abroad).

Total: 338 published + 44 reports + 279 oral presentations = 661 contributions.

EDUCATION

March 1980 PhD, Polytechnic Institute „Gh. Asachi” of Iași, Faculty of Chemical Engineering; Thesis „Contributions to the study and modelling of methane –steam catalytic reaction”; Advisor: Professor Constantin Calistru.

June 1969 MEng, Polytechnic Institute „Gh.Asachi” of Iași, Faculty of Chemical Engineering, Diploma Project/ Disertation” Urea synthesis reactor modelling and design”, Advisor: Professor Constantin Calistru.

ACADEMIC POSITIONS

December 1996 present, Professor and Head of Department of Inorganic Product Engineering, Technical University „Gh.Asachi” of Iași.

June 2001- September 2001, Reserch Professor, Technical University of Muenchen, Institut of Ecological Chemistry, Germany (DAAD stipendium)

February 1992 – December 1996, Full Professor, Technical University „Gh.Asachi” of Iași.

October 1990 – February 1992, Associate Professor and Advisor of PhD theses, Technical University „Gh.Asachi” of Iași.

October 1983- July 1984, Maître de Conférences, Institut de Technologie, Bougie, Algeria.

October 1975- October 1990, Lecturer, Polytechnic Institute „Gh.Asachi” of Iași.

October 1972- October 1975, Assistant, Polytechnic Institute „Gh.Asachi” of Iași.

August 1969 – October 1972, Associate Assistant, Polytechnic Institute „Gh.Asachi” of Iași.

OTHER POSITIONS

June 2005, Invited Professor (Erasmus Mobility), Ecole Nationale Supérieure des Mines de Paris, Centre d’Energétique , Paris, France.

May 2004, Organizer of a Leonardo Project () Meeting in Iași.
May 2002, Invited Professor (Erasmus Agreement), Technical University of Vienna, Austria; Technical University of Muenchen, Germany.
April 2000, Invited Professor (Erasmus Mobility), Technical University of Vienna, Ecole Nationale Supérieure des Mines de Paris, Centre d' Energétique, Paris.
December 1999, Invited Reserch Professor, Université de Poitiers, Ecole d'Ingénieurs (Prof. Joseph DeLaat).
May 1994, Invited professor, State University of Moldova, Chishinău, Republic of Moldova.
October 1983- July 1984, Maître de Conférences, Institut de Technologie, Bougie, Algérie.

HONORS AND AWARDS

October 2004, "Petru Poni" Medal & Diploma, from Chemical Society of Romania.
May 1986, "Nicolae Teclu" Award, from the Romanian Academy.

JOURNAL EDITORSHIP

February 2005, Editorial Board of the *Environmental Engineering and Management Journal* (ISSN: 1582- 9596)
January 1996 present, Editorial Board of *Revista de Chimie* (ISSN: 0034- 7752).
January 2000- December 2001, Editorial Board of *Sci. Annals Univ. "A.I. Cuza" Iași* (ISSN 1221-5341).
January 1987 present, Co-editor and founder of *Iași Polytechnic Magazine* (ISBN: 1013- 5278).

ACADEMIC COURSES TAUGHT

Undergraduate courses at the Technical University „Gh.Asachi” of Iași
. *Chemical Reaction Engineering*
. *Inorganic Product (Fertilizers) Engineering*
Graduate / Master degree courses at the Technical University „Gh.Asachi” of Iași
. *Reactive absorption and gas treating*
. *Photochemical processes for water treatment.*

STUDENT SUPERVISION

. PhD advisor, Technical University „Gh.Asachi” of Iași:
1. Mariana Neamtu, 1997 (now, resercher at University of Karlsruhe, Germany)
2. Dumitru Jianu, 1997 (now, design manager, Craiova, Romania)
3. Maria Harja, 1999 (now, Lecturer at the Technical University „Gh.Asachi” of Iași)
4. Mihai Neculai, 1999 (now, General Manager of Vitromet SRL Bacau, Romania)
5. Mihaela Dragan, 2000(now, Assistant Professor at „Babes-Bolyai” University, Cluj- Napoca, Romania)
6. Simion Dragan, 2002(now, Assistant Professor at „Babes-Bolyai” University, Cluj- Napoca, Romania)
7. Denisa Nistor, 2004 (now, Lecturer at the University of Bacau, Romania).
. PhD theses in preparation: Severin Piaskovski (2005), Lucian Cotet (2005), Maria Magdalena Bobu (2006), Alexandru Carmen Ionela (2006), Beatrice Iurascu (2007), Mugurel Butnaru (2007), Tataru- Fărnuș Ramona (2008), Constantin Burciu (2009).
. Diploma project (3-4 each year since 1973), and Master dissertation supervision (1 per year since 1996).

AFFILIATIONS

. European Federation of Chemical Engineering - CRE Working Party,
. Institution of Chemical Engineers- Subject Group *Fluid Separation Processes*- UK,
. European Clay Groups Association,
. European Science and Environment Forum,
. American Biographical Institute, Research Board of Advisors,
. Romanian Society of Catalysis,
. Romanian Chemical Society,
. Romanian Society of Chemical Engineering

CONFERENCES AND SYMPOSIA

Organizer

- . *Colloque Franco- Roumain de Chimie Appliquée, Bacau/Slanic Moldova* (CoFrRoCA 2000, 2002, 2004 – member of Scientific Committee).
- . *Meeting IV* of Leonardo da Vinci project Waste Interactive Training Tool, Iasi, June 22- 27, Romania.
- . *National Symposium of Chemical Process Engineering*, Piatra Neamt, Romania (Scientific secretary of the 1973, 1978, 1983, 1988, 1993, and 1998 editions).
- . *Symposium on Chemical Engineering and Industry*, Iasi, October 5, 1996 and 2001 (dedicated to Professor Constantin Calistru at his 80th and 85th anniversary, respectively).
- . *Conference of the Industrial Chemistry Faculty, Iasi, 1998, 2002.*
- . *International Congress on Ecological Chemistry (ECO-CHEM, Chisinau, Republic of Moldova, 1995).*

Participant at 122 scientific meetings with 279 contributions (conferences, lectures, posters) see attached list.

NATIONAL RESEARCH PROJECTS AND GRANTS

- . 35 contracts with industry through ICECHIM, since 1971 till 1989;
- . 9 grants of fundamental research on Closed Cycle Technology and AOP with CNCSU (Grant 752/1995, 587/1996, 637/1997, 538/1998, 364/1999), and with CNCSIS (Grant 312/2001, 411/2002, 335/2003, 558/2004).

INTERNATIONAL PROJECTS

- . 12 **Erasmus/ Socrates** projects (1999- 2005) with universities of Vienna, Paris, Poitiers, Muenchen.
- . 1 **Leonardo da Vinci** Project on waste minimization (2001- 2005) <http://www.money4waste.org/ed/index.php>
With 10 partners from United Kingdom, Austria, Italy, Slovakia, Hungary, and Romania.
- . 1 **DAAD Research Stipendium** (June- September 2001) at Technical University of Muenchen, Institut of Ecological Chemistry , Germany.
- . 1 **Tempus** Mobility Grant (1993, INP Toulouse, France) on Chemical Engineering Curriculum Development.

EVALUATION

- . Evaluator of 15 PhD theses (at the universities of Bucharest, Timisoara, Ploiesti, Cluj- Napoca, Iasi).
- . Expert evaluator of the Education and Reserch Minister (57 CNCSIS Grants)
- . Supervisor and avaluator of 7 dissertations for the Teacher Degree I in Chemistry and Chemical Technology.
- . Member of the Board of Evaluators for academic degrees (5 Professors, 7 Assistant Professors from different universities)

FAMILY STATUS

Born 12.06.1946 in Corni, Botosani County, Romania. Married to Lizeta Medaru in 1970. Two children: *Laura* Siminiceanu (b. 30.03.1971)- textile engineer, and MBA.; and *Radu* Siminiceanu (b. 21.09.1973) – PhD in Computer Science, Williamsburg, VA, USA.

LANGUAGES SPOKEN

- . Fluent Romanian (Moldavian included), French, English;
- . Good knowledge of Russian; fair knowledge of German, Italian, Spanish.

HOBBIES

- . Lawn tennis
- . History of Science and of Human Civilisation.

LIST OF SCIENTIFIC CONTRIBUTIONS

I. Papers published in journals

1. Calistru C., Grigoriu I., and Siminiceanu I., Bull.Polyt.Inst.Iasi, **18(22)**, 1-2 Chem.,65(1972).*Etude de la hydrodynamique du lit fluidisé dans les conditions de la fluidisation du molybdénite.*
2. Calistru C.,Siminiceanu I., and Hagiú C., Rev. Chim.(Bucharest), **24**, 10, 785(1973) *Contributions to the Study of High Temperature Carbon Monoxide Conversion (I).*
3. Calistru C., Siminiceanu I., Hagiú C., and Petrila C., Rev. Chim.(Bucharest), **24**, 11,880(1973). *The Balance Set Up in the Process of Synthesis Row Gas Manufacture for the Ammonia Synthesis(I).*
4. Calistru C., and Siminiceanu I., Rev.Chim.(Bucharest), **25**, 4, 285(1974). *Contributions to the Study of High Temperature Carbon Monoxide Conversion(II).*
5. Calistru C., Siminiceanu I., Balasanian I., and Antoniu B., Bull.Polyt.Inst.Iasi, **20(24)**, 3-4 Chem., 55(1974). *Contributions to the Modelling of the Nitrogen Monoxide Oxidation Process.*
6. Calistru C.,Siminiceanu I.,Hagiú C., and Petrila C., Rev. Chim.(Bucharest),**26**,12,1003(1975), *L'élaboration des bilans dans le processus d'obtanion du gaz brut pour la synthèse de l'ammoniac.*
7. Calistru C., Siminiceanu I., and Petrila C., Rev. Chim.(Bucharest), **28**, 5, 447(1977). *Ammonia Synthesis Modelling(I).*
8. Siminiceanu I.,and Calistru C., Bull. Polyt. Inst. Iasi, **24(28)**, 3-4 Chem., 75(1978). *Material Balances of the Component Processes of the Ammonia Synthesis Cycle.*
9. Siminiceanu I., and Calistru C., Rev.Chim.(Bucharest), **30**, 1, 45(1979). *Thermal Balance of the Overall Methane- Steam Reforming Process.*
10. Siminiceanu I.,and Calistru C., Bull. Polyt. Inst. Iasi, **25(29)**, 3-4 Chem.,63(1979). *Modelling of the Ammonia Synthesis Process(II).*
11. Siminiceanu I., Calistru C., and Petrila C., Rev. Chim.(Bucharest), **30**,8, 759(1979). *Methane Conversion with a Mixture of Steam and Carbon Dioxide.*
12. Siminiceanu I., Calistru C., and Pop Al., Hung.Journal Ind. Chem.,**7**, 3, 279(1979). *Modelierung,Identifizierung und Simulierung Primaere Reformierung des Methanes.*
13. Calistru C., Siminiceanu I., and Florea C., Bul. St. Stud. Iasi, **IV**, Sect. 1, 76(1979).*Carbon Monoxide Shift Catalyst Testing.*
14. Siminiceanu I., and Pop Al., Studia Univ. Babes- Bolyai, **24**, 2, Chem.,28(1979). *ComplexThermodynamic Model for Methanol Synthesis(I).*
15. Siminiceanu I., Pop Al., and Petrila C., Studia Univ. Babes- Bolyai, **24**, 2, Chem.,36 (1979)*Complex Thermodynamic Model for Methanol Synthesis(II).*
16. Siminiceanu I.,and Calistru C., Rev. Chim.(Bucharest), **31**, 1, 50(1980). *Balance Model for the Reforming of Natural Gas Containing High Hydrocarbons.*
17. Rotaru P., Siminiceanu I., Unguru L.,Blejoiu S., and Bucur P., Rev. Chim.(Bucharest), **31**, 2, 149(1980). *Macrokinetics of High Temperature Carbon Monoxide Shift Reaction.*
18. Siminiceanu I., Calistru C., and Pop Al., Studia Univ. Babes -Bolyai, **25**, 3, Chem.,302(1980).*Study of the Precipitation of Magnesium Hydroxyde with Dolomitic Lime(I).*
19. Calistru C., Pop Al, and Siminiceanu I., Rev. Chim.(Bucharest), **31**, 4, 358(1980).*Studyof the Precipitation of Magnesium Hydroxyde with Dolomitic Lime(II).*
20. Calistru C., Pop Al., and Siminiceanu I., Rev. Chim.(Bucharest), **31**, 6, 562(1980).*Study of the Precipitation of Magnesium Hydroxyde with Dolomitic Lime(III).*
21. Siminiceanu I.,_Calistru C., and Pop Al., Studia Univ. Babes- Bolyai, Chem., **25**, 1, 51(1980) *Modelling and Simulation of Methane- Steam Reformer.*
22. Siminiceanu I., and Calistru C., Bull. Polyt. Inst. Iasi, Chem., **26(30)**, 1-2, 59(1980)*A Thermal Mathematical Model of the Methane- Steam Reaction.*
23. Calistru C., Leonte C., and Siminiceanu I., Rev. Chim.(Bucharest), **31**, 9, 864 (1980)*A Method for The Specific Consumptions Minimization in the chemical Industry.*
24. Siminiceanu I., and Calistru C., Mem.Sci. Sect. Romanian Academy, **3**, 1, 219(1980). *Kinetics of the Methane- Steam Reaction(I).*
25. Siminiceanu I., and Calistru C., Mem. Sci. Sect. Romanian Academy, **3**, 1, 241(1980). *Kinetics of the Methane- Steam Reaction.*
26. Calistru C., Leonte C., and Siminiceanu I., Bull. Polyt. Inst. Iasi, Chem., **26(30)**, 3-4,87(1980). *A Method for Specific Consumptions Evaluation in Ammonia Industry.*
27. Siminiceanu I.,_Rotaru P., Calistru C., and Blejoiu S., Rev. Chim.(Bucharest), **32**, 1,41(1981). *Macrokinetics of the High Shift Conversion(II).*

28. Siminiceanu I., Pop Al., and Cormos L., *Chemische Technik*(Leipzig), **33**, 2, 77(1981). *Berechnung des Gleichgewichts bei der Methanolsynthese mit Hilfe eines neuen mathematischen Modells.*
29. Calistru C., and Siminiceanu I., *Bull. Polyt. Inst. Iasi*, **27(31)**, 1-2 Chem., 63(1981). *Efficiency of Purge Gas as Combustible in Ammonia Plants.*
30. Siminiceanu I., Calistru C., and Pop Al., *Studia Univ. Babes- Bolyai, Chem.*, **26**,1,40(1981) *Ammonia Oxidation Catalyst Selectivity Control.*
31. Siminiceanu I., and Pop Al., *Bull. Polyt. Inst. Iasi*, **27(31)**, 1-2 Chem., 53(1981). *Hydrodynamics of the Methane- Steam Reactor(I).*
32. Siminiceanu I., and Pop Al., *Bull. Polyt. Inst. Iasi*, **27(31)**, 3-4 Chem.,51(1981). *Hydrodynamics of the Methane -Steam Reactor(II).*
33. Siminiceanu I., and Calistru C., *Mem. Sci. Sect. Romanian Academy*, **4**, 1, 189(1982). *Modelling of the Chemical Processes in Ammonia Plants.*
34. Siminiceanu I., Petrila C., and Pop Al., *Chemische Technik*(Leipzig), **35**, 12, 628(1983). *Mathematisches Modell fur die Ammoniaksynthese.*
35. Siminiceanu I., Petrila C., and Pop Al., *Bull. Polyt. Inst. Iasi*, **29(33)**, Chem., 19(1983). *Modellierung des Synthese Verfahrens von Methanol bei Niedern Druck.*
36. Siminiceanu I., and Petrila C., *Rev. Chim.*(Bucharest),**34**, 11, 1018(1983). *Simulation of Ammonia Synthesis Reactor with Adiabatic Beds.*
37. Siminiceanu I., and Negelschi L., *Rev. Chim.*(Bucharest),**35**, 5, 437(1984). *Modelling of the Urea Synthesis Reactor.*
38. Siminiceanu I., *Mem.Sci. Sect. Romanian Academy*, **8**, 1, 153(1985). *Exergy Analysis of Chemical Processes.*
39. Pop Al., Siminiceanu I., Stanca M., and Cormos L., *Studia Univ. Babes-Bolyai, Chem.*, **30**,11(1985). *Studium des Fallvorgang von Magnesiumhydroxyd mit Dolomitischen Hydratisierten Kall aus Magnesiumchlorid.Mathematische Modellierung des Prozesses.*
40. Siminiceanu I., Petrila C., and Jianu D., *Rev. Chim.*(Bucharest),**38**, 1, 39(1987). *Secondary Methane Reforming with Air Excess.*
41. Siminiceanu I., Todea I., Stanca M., and Pop Al., *Studia Univ. Babes-Bolyai, Chem.*,**32**,2,27(1987). *Catalytic Conversion of Methanol with Water Vapours(I).*
42. Siminiceanu I., Todea I., Stanca M., and Pop Al., *Studia Univ. Babes-Bolyai, Chem.*, **32**,2, 38(1987). *Catalytic Conversion of Methanol with Water Vapours(II).Kinetics.*
43. Siminiceanu I.,Todea I., Stanca M., and Pop Al., *Studia Univ. Babes- Bolyai, Chem.*, **33**, 2, 69(1988). *Oxidation des Aethenes mit Sauerstoff zu Aethylenoxyd mit Silberkatalysatoren.*
44. Siminiceanu I., *Bull. Polyt. Inst. Iasi*, **35(39)**, 1-2 Chem., 59(1989). *Selection and Design of the Compressors for Ammonia Industry.*
45. Siminiceanu I., *Rev. Chim.*(Bucharest), **40**, 2, 125(1989). *Reduction of Methane Consumption in the Ammonia Industry.*
46. Siminiceanu I., and Pop Al., *Studia Univ. Babes- Bolyai, Chem.*, **34**, 1, 31(1989) *Analysis and Synthesis of the Ammonia Synthesis Processes(I).*
47. Siminiceanu I., and Pop Al., *Studia Univ. Babes- Bolyai, Chem.*, **34**,1, 45(1989). *Analysis and Synthesis of the Ammonia Synthesis Processes(II).*
48. Siminiceanu I., and Pop Al., *Studia Univ. Babes- Bolyai, Chem.*, **34**, 1, 3 (1989). *Oxidation des Aethenes mit Sauerstoff zu Aethylenoxyd mit Silberkatalysatoren (II).*
49. Siminiceanu I., and Petrila C., *Bull. Polyt. Inst. Iasi, Chem.*, **36(40)**, 1-2, 33(1990). *Natural Gas Reforming at Low Steam/ Carbon Ratios.*
50. Siminiceanu I., *Chem. Rev.*(Bucharest), **41**, 11/12, 923(1990). *Contributions to the Urea Synthesis Optimization.*
51. Siminiceanu I., Pop Al., and Petrila C., *Studia Univ. Babes- Bolyai, Chem.*, **35**, 2, 35(1990). *Modelling of the Overall Reforming Process.*
52. Siminiceanu I., Petrila C., and Pop Al., *Chemische Technik*(Leipzig), **43**,7, 257(1991). *Simulation des Ammoniaksynthesereactors fur mittlere Druke.*
53. Grigoriu I., Balasanian I., and Siminiceanu I., *Rev. Chim.*(Bucharest),**42**, 1-3, 83(1991). *Mathematical Modelling of the Catalytic Fixed Bed Reactors for Ammonia Synthesis(I)*
54. Grigoriu I., Balasanian I., and Siminiceanu I., *Rev. Chim.*(Bucharest), **42**, 6/7, 319(1991). *Mathematical Modelling of the Catalytic Fixed Bed Reactors for Ammonia Synthesis(II).*
55. Siminiceanu I., and Petrila C., *Studia Univ. Babes- Bolyai, Chem.*, **36**, 1-2, 114(1991). *Modelling and Simulation of the Urea Synthesis at Equilibrium.*
56. Siminiceanu I., *Studia Univ. Babes-Bolyai, Chem.*,**36**, 1-2, 71(1991). *Carbon Dioxide Absorption into Promoted Potash Solutions(I). Enhancement Factor Determining.*
57. Siminiceanu I., and Petrila C., *Bull. Polyt. Inst. Iasi*, **37(41)**, Chem. 1-4, 29(1991). *New Thermodynamic Model of the Urea Synthesis Process.*

58. Siminiceanu I., Petrila C., Gherman C., and Pop Al., *Studia Univ. Babes- Bolyai, Chem.* **39**, 1, 35(1994). *La détermination du facteur d, accélération a l' absorption des gaz dans des solvants chimiques.*
59. Petrus O., and Siminiceanu I., *Bull. Polyt. Inst. Iasi*, **41(45)**, Chem. 1-4, 41(1995). *Modelling and Simulation of a Biosensor.*
60. Siminiceanu I., Gherman C., and Ivaniciuc M., *Analele Univ. Craiova, vol. II, s. Chim.*, 405 (1995). *Thermodynamic Model for the Carbon Dioxide Absorption into Potash Solutions.*
61. Siminiceanu I., and Ungureanu Fl., *Bull. Polyt. Inst. Iasi, Chem.*, **42(46)**, 3-4, 87(1996). *Thermal Effectiveness of the Methanol- Steam Reforming.*
62. Siminiceanu I., Petrila C., and Gherman C., *Rev. Chim. (Bucharest)*, **47**, 3, 265(1996). *Enhancement Factor Determining for Gas Absorption in Chemical Solvents.*
63. Jianu D., Siminiceanu I., and Bica M., *Rev. Chim. (Bucharest)*, **47**, 2, 160(1996). *Exergy Analysis of Sulphuric Acid Plants.*
64. Neamtu M., Siminiceanu I., *Anal. St. Univ. "Al.I.Cuza" Iasi*, **IV**, s. Chim. 177(1996). *Photodegradation of Bisphenol-A in Water in the Presence of Humic Substances and Surfactants.*
65. Neamtu M., and Siminiceanu I., *Anal. St. Univ. "Al.I.Cuza" Iasi*, **IV**, s. Chim., 183(1996). *Determination of Anionic Products of Nitromusk Ketone Degradation in water by UV-Activated Hydrogen Peroxide.*
66. Jianu D., Siminiceanu I., and Valceanu M., *Rev. Chim. (Bucharest)*, **48**, 8, 713(1997). *Exergy Analysis of an Industrial Plant.*
67. Siminiceanu I., and Ungureanu Fl., *Rev. Chim. (Bucharest)*, **48**, 9, 347(1997). *Study of the Methanol-Steam Reforming Process.*
68. Neamtu M., and Siminiceanu I., *Bull. Polyt. Inst. Iasi*, **43(47)**, 3-4 Chem., 43 (1997). *Determination of the Reaction Products of the Bisphenol-A Photodegradation in Water by Ultraviolet Catalysed Oxidation with Hydrogen Peroxide.*
69. Siminiceanu I., and Ivaniciuc M., *Anal. St. Univ. "Al.I.Cuza" Iasi*, **V**, s. Chim., 145(1997). *Measuring the Mass Transfer Parameters in Gas-Liquid Contactors by Chemical Methods(I). Kinetics of the Sulfite Oxidation.*
70. Siminiceanu I., and Ivaniciuc M., *Sci. Technol. Environ. Protection*, **5**, 1, 25(1998). *Modelling of the Gas Treating with Chemical Solvents. The Effectiveness Factor Approach.*
71. Siminiceanu I., and Neamtu M., *Bull. Polyt. Inst. Iasi*, **44(48)**, 1-2 Chem., 61(1998). *Photodegradation of Bisphenol-A in Water by UV-Activated Hydrogen Peroxide.*
72. Siminiceanu I., and Piascovski S., *Bull. Polyt. Inst. Iasi*, **44(48)**, 3-4 Chem., 41(1998). *Study of Wastewater Decontamination by an Electroflocculating Method(I).*
73. Siminiceanu I., and Ivaniciuc M., *Anal. St. Univ. "Al.I.Cuza" Iasi*, **VI**, s. Chem., 123(1998). *A New Equation for the Oxygen Solubility in Sodium Sulfite Solutions.*
74. Neamtu M., and Siminiceanu I., *Rev. Chim. (Bucharest)*, **49**, 11, 745(1998). *Abiotic Treatment of Water(I).*
75. Siminiceanu I., Dragan M., Friedl A., Harasek M., and Dragan S., *Sci. Technol. Environ. Protection*, **6**, 1, 31(1999). *Pressure Drop in Absorption Columns Equipped with Structured Packing.*
76. Siminiceanu I., and Piaskovski S., *Chemical Industry (Beograd)*, **53**, 2-3, 59(1999). *Study of Wastewater Decontamination by an Electroflocculating Method(II).*
77. Siminiceanu I., Neamtu M., and Korosi I., *Anal. St. Univ. "Al.I.Cuza" Iasi*, **VII**, s. Chem., 2, 381 (1999). *Study of Nitromusks Degradation in Water by UV/H₂O₂.*
78. Siminiceanu I., Dragan S., Friedl A., Harasek M., and Dragan M., *Bull. Polyt. Inst. Iasi*, **45(49)**, 3-4 Chem., 25(1999). *On the Kinetics of the Flue Gas Desulphurization by Dry Injection Process.*
79. Pop Al., Siminiceanu I., Dragan S., and Dragan M., *Rev. Chim. (Bucharest)*, **50**, 168(1999). *Kinetic Studies in the Double Exchange Reaction Between the Sodium Carbonate and Calcium Sulphate.*
80. Siminiceanu I., Dragan S., Friedl A., Harasek M., and Dragan M., *Sci. Technol. Environ. Prot.*, **6**, 2, 34(1999). *On the Kinetics of FGD by Dry Injection Process(II).*
81. Siminiceanu I., *Bull. Romanian. Soc. Chem. Eng. (Bucharest)*, **3**, 1, 26(1999). *New Frontiers in the Chemical Reaction Engineering.*
82. Neamtu M., and Siminiceanu I., *Rev. Chim. (Bucharest)*, **50**, 7, 545(1999). *Abiotic Treatment of Water(II).*
83. Siminiceanu I., Dragan M., Friedl A., Harasek M., and Dragan S., *Bull. Polyt. Inst. Iasi*, **45(49)**, 3-4 Mat., (1999). *New Hydrodynamic Model for Mellapak 750 Y Structured Packing.*
84. Dragan M., Siminiceanu I., Friedl A., and Harasek M., *Studia Univ. Babes-Bolyai, Chem.*, **44**, (1999). *Measuring the Effective Mass Transfer Area of a Mellapak 750 Y Structured Packing.*
85. Siminiceanu I., and Piaskovski S., *Chemical Industry and Environment (Krakow)*, **III**, 2, 667(1999). *Study of Wastewater Decontamination by an Electroflocculating Method (III).*
86. Siminiceanu I., and Neamtu M., *Chemical Industry and Environment (Krakow)*, **III**, 2, 673(1999). *Study of Nitromusks Degradation in Water by Ultraviolet Radiation and Hydrogen Peroxide.*
87. Dragan M., Siminiceanu I., Friedl A., Harasek M., and Dragan S., *Studia Univ. Babes- Bolyai, Chem.*, **43**, 1-2, (1998). *Hydrodynamic Study of a New Structured Packing(I).*
88. Dragan S., Siminiceanu I., Friedl A., Harasek M., and Dragan M., *Studia Univ. Babes-Bolyai, Chem.*, **43**, 1-2, (1998). *Thermogravimetric Study of the Reaction of Sulfur Dioxide with Calcined Limestone.*

89. Siminiceanu I., and Piaskovski S., Ovidius Univ. Annals Chem., **11**, 1,108 (2000). *Closed- Cycle Technology for the Decontamination of Electroplating Wastewater.*
90. Siminiceanu I., Dragan S., Friedl A., Harasek M., and Dragan M., Ovidius Univ. Annals Chem., **11**,1, 126(2000). *Macrokinetics of Flue Gas Desulphurization by the Reaction with Calcined Limestone.*
91. Siminiceanu I., Neamtu M., and Macoveanu M., Ovidius Univ. Annals Chem.. **11**, 1, 114(2000). *Photodegradation of Reactive Yellow 84 Azo Dye in the Textile Wastewater.*
92. Ivaniciuc M., and Siminiceanu I., Ovidius Univ. Annals Chem., **11**, 1, 135 (2000). *Modelling and Simulation of the Industrial Reactor for Carbon Dioxide Absorption into Activated PotassiumCarbonate Aqueous Solutions.*
93. Dragan M., Friedl A., Harasek M.,Dragan S., and Siminiceanu I.,Ovidius Univ. Annals Chem., **11**, 1,123 (2000). *A New Fluid- Dynamic Model of the Adsorption Columns with Structured Packing.*
94. Mihai N., and Siminiceanu I., Rev. Chim. (Bucharest), 51, 3, 203 (2000). *Modelling and Simulation of the Urea Granulation Tower.*
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1. Simpozionul National de Ingineria Proceselor Chimice (I), Piatra neamt, 26-30 Sept.,1973/**4L**/.
2. A V-a Conferinta Republicana de Chimie Fizica, Bucuresti, 1-4 Sept., 1976 (**1L**).
3. Sesiunea"Proiectarea, Constr.si Exploatarea Utilajelor Chim.", 7-8 Aprilie, 1976 (**1L**).
4. Sesiunea"Proiectarea, Constr.si Exploatarea Utilajelor Chim.", 22-23Iunie, 1977 (**2L**).
5. Congresul National de Chimie (I), Bucuresti, 11- 14 Sept., 1978 (**2L**).
6. Simpozionul National de Ingineria Proceselor Chim.(II),Piatra Neamt,12-14 Oct.,1978(**8L**).
7. Simp."Modelarea, Simularea, Identificarea si Optimizarea Proceselor", Galati, 8-9 Decembrie,1978(**1L**)
8. Simpozion "Siguranta in Functionare a Fabricilor de Amoniac", Arad, 28-30 Iunie,1979(**2L**).
9. Sesiunea Stiintifica a Centrului Universitar Iasi, Iasi, 5-6 Iulie, 1979 (**1L**).
10. Simpozion"Proiectarea, Exploatarea si Executia Utilajelor Chimice", Sibiu, 17-18 Oct., 1979(**2L**).
11. Simpozionul IITPIC Bucuresti, Bucuresti, 15-16 octombrie, 1980, (**2L**).
12. Sesiunea Stiintifica a Universitatii "Babes-Bolyai" Cluj, Cluj-Napoca, Oct.1980 (**2L**).
13. A VII-a Conferinta Internationala a Tinerilor Cercetatori in Chimie, Sofia, Bulgaria, 20-21 Septembrie, 1976 (**1L**).
14. IVth International Conference on Heterogeneous Catalysis, Varna, Bulgaria, Oct.1979(**1L**).
15. Simp."Proiectarea,Constr. și Exploatarea Utilajelor Chimice",Sibiu,3-5 Iunie,1981(**1L**).
16. Congresul National de Chimie (II), Bucuresti, 7-10 Sept., 1981(**1L**).
17. Simpozion "Contributii stiintifice in chimie", Cluj-Napoca, 1-2 Octombrie, 1982(**3L**).
18. Simp."Valorificarea materialelor refolosibile in ind.Chimica", Iasi, 10-11 Sept., 1982(**2L**).
19. Simpozion" Noi posibilitati de reintegrare a materialelor secundare in economie", Piatra Neamt, 23-24 Sept., 1982(**1L**).
20. Simp."Informatica si cibernetica in viata societatii moderne", Roman, 11- 12 Iunie, 1982(**1L**).
21. Conferinta "Producerea si folosirea substantelor chimice in agricultura", Craiova, 4-6 Iunie, 1982(**1L**).
22. Simozion "Valorificarea materialelor refolosibile", Iasi, 7 Decembrie, 1982(**1L**).
23. Simpozion jubiliar al IITPIC Iasi, Iasi, 14- 15 Octombrie, 1983(**1L**).
24. Simpozion National de Ingineria Proceselor Chimice (III), Piatra Neamt, Oct. 1983(**8L**).
25. Zilele Academice Istorice: 150 ani de la infiintarea Academiei Mihailene, Iasi, 14-16 Octombrie, 1985 (1L).
26. Vth International Conference on Heterogeneous Catalysis, Varna, Bulgaria,3-6 Oct.1983(**1L**).
27. UNIDO Energy Conservation Seminar, Bucharest, 10-12 Sept. 1986(**1L**).
28. Zilele Academice Iesene, Iasi, 22- 25 Oct., 1987(**1L**).
29. Simpozion de Automatizari Industriale (SAI), Bacau, 15 Sept., 1987(**2L**)
30. Simp."Cercetarea in sprijinul modernizarii productiei", Ploiesti, 12-13 Iunie, 1987(**3L**).

31. Simp."Stiinta, tehnica si civilizatia in perspectiva viitorului", Iasi, 5-6 Decembr, 1987(3L)
32. Sesiunea jubiliara "175 ani de invatamant tehnic superior in limba romana", Iasi, 1- 12 Noiembrie,1988 (2L).
33. Congresul national de Chimie (III), Bucuresti, 21- 24 Septembrie, 1988 (3L).
- 34.Simpozionul National de Ingineria Proceselor Chimice(IV), Piatra Neamt,21-22 Oct.,1988(8L).
35. Simpozion "Creativitatea si eficienta in invatamant", Iasi, 30 Martie, 1989(1L).
36. The 10th International Congress on Chemical Engineering (CHISA' 90), Praha, Czechoslovakia, August 26-31, 1990 (1L).
37. Sesiunea de comunicari stiintifice a Universitatii "Ovidius", Constanta, 6-8 Iunie, 1991(1L).
38. Simp."20 ani de invatamant de Inginerie Chimica la Cluj", Cluj-Napoca, 19-22 Septembrie, 1991(5L).
39. A 17 a Sesiune de Comunicari Stiint. A INCERCHIM SA, Rm.Valcea, 16-17 Oct.1991 (3L).
40. Simpozionul Asociatiei Oamenilor de Stiinta (AOS) Neamt, Piatra Neamt, 20-21Oct, 1991(1L).
41. A VI a Conferinta de Chimie Fizica, Bucuresti, 23- 25 Sept., 1992(1L).
42. Zilele Academice Iesene, Iasi, 25 Oct. 1992(1L).
43. Simpozionul National de Ingineria Proceselor Chimice (V), Piatra Neamt, 24-26 Septembrie, 1993(9L).
44. Simpozion jubiliar "75 ani de invatamant chimic romanesc la Alma Mater Napocensis", Cluj-Napoca, 20- 21 Mai, 1994(4 L).
45. Conferinta Facultatii de Chimie Industriala din Iasi "Progrese in Chimie si Tehnologie Chimica, Iasi,27- 29 Octombrie, 1994(4L).
46. Zilele Academice Timisene, Timisoara, 25- 27 Mai, 1995 (1L).
47. Symposium on Ecological Chemistry-EURO-USAID, Chisinau, Moldova,1-4Oct.,1995(1L)
48. The Fourth National Symposium on Catalysis, Ploiesti, 21- 22 Sept., 1995 (1L).
49. Simpozion de Chimie si Tehnologie Chimica, Craiova, 10- 11 Noiembrie, 1995(3L).
50. Simpozion de Chimie si Tehnologie Chimica, Chisinau, Moldova, 25-26 Martie, 1995(1L)
51. 12th Internat.Congress of Chemical and Process Engineering (CHISA, 96), Praha, Czech Republic, 25- 30 August, 1996 (1L).
52. Sesiunea de Comunicari Stiintifice (III), Univ. "Aurel Vlaicu", Arad, 16-17 Mai, 1996(3L).
53. Seminarul "Inginerul chimist in societatea contemporana", dedicat profesorului Calistru (80 ani), Iasi, 3-4 Octombrie, 1996(2L).
54. Zilele Academice Iesene (XII), Iasi, 10- 13 Octombrie, 1996(1L).
55. Sesiunea XXI de comunicari a OLTCHIM Rm. Valcea, Olanesti, 10-13 Oct., 1996 (4L).
56. The Symposium."Electrochemistry a Frontier Field of Theoretical and Practical Interest", Cluj-Napoca, 31 Oct.- 3 Nov., 1996(1L).
57. Zilele Academice Timisene (V), Timisoara, 22- 24 Mai, 1997(2L).
58. Conferinta "85 ani de invatamant de inginerie chimica la Iasi", Iasi, 23-25 Oct., 1997(5L).
59. The First European Congress on Chemical Engineering, Florence, Italy, May 4-7, 1997(1L)
60. 1st International Symposium "Hydrotreatment and Hydrocracking of Oil Fractions", Oostende, Belgium, February 17- 19, 1997(1L).
61. Sesiune Stiintifica "Zilele Universitatii "Al.I.Cuza", Iasi, 19-25 Oct., 1997(1L).
62. Al II lea Simpozion International Iugoslavia- Romania- Ungaria, Timisoara, 11- 12 Decembrie, 1997 (1L).
63. Sesiunea Jubiliara 50 ani de la infiintare, 30 ani de functionare la Ploiesti a Universitatii "Petrol si Gaze", Ploiesti, 28- 30 Mai, 1998(2L).
64. Chemical Engineering Processes Symposium (VI), Piatra Neamt, October 23-25, 1998(13L)
65. Salonul International al Chimiei SICHEM 98, Bucuresti, 20-23 Octombrie, 1998(4L).
66. 4th International Meeting on Chemical Engineering and Biotechnology, Exhibition-Congress ACHEMASIA 98, Beijing, P.R.China, 11-16 May, 1998 (1L).
67. 13th International Congress of Chemical and Process Engineering (CHISA'98), Praha, Czech Republic, 23- 28 August, 1998(3L).
68. 2nd European Congress of Chemical Engineering, Montpellier, France, 5- 7 October, 1999 (1L).
69. The 11th Romania International Conference on Chemistry and Chemical Engineering, Bucuresti, 30 Sept.- 2 Oct., 1999(4L).
70. Zilele cademice Timisene, Timisoara, 26- 29 Mai, 1999(1L).
71. 3rd European meeting on Chemical Industry and Environment/EMCHIE III, Krakow, Poland, 1-3 September, 1999(2L).
72. Al 25 lea Simpozion National de Chimie,Calimanesti, 6-8 Octombrie, 1999(4L).
- 73.1st International Conference of the Chemical Societies of the South-East European Countries"Chemical Sciences and Industry", Halkidiki, Greece, June 1-4, 1998(2L).
74. Sesiunea de Comunicari a Universitatii "Al.I.Cuza" Iasi, 25 Octombrie,1999(4L).
75. 2nd International Conference"Chemical Sciences and Industry", Halkidiki, Greece, June 6-9, 2000(1L).
76. 14th International Congress of Chemical and Process Engineering/CHISA 2000, Praha, Czech Republic, 27-31 August, 2000(3L).
77. Conferinta Nationala "Chimia 2000", Constanta, 14- 15 Aprilie, 2000(6L).

78. Al II lea Simpozion International de Inginerie Chimica, Bucuresti, 3- 6 Octombrie, 2000(5L)
79. Al XXVI lea Simpozion National de Chimie, Calimanesti, 4-6 Octombrie, 2000(4L)
80. Colloque Franco- Roumain de Chimie Appliquée, 12- 14 Octobre 2000, Bacau (2L).
81. Sesiunea Jubiliara de Comunicari Stiintifice: 10 ani de la infiintarea Universitatii "Aurel Vlaicu" din Arad, 27- 28 Oct. 2000 (2L).
82. International Scientific Colloquium "Modelling for Saving Resources", May 17- 18, 2001, Riga, Latvia (2L).
83. 3rd European Congress of Chemical Engineering;"Chemical Engineering- A Key Technology Serving Makind", 26- 28 June 2001, Nueremberg, Germany.(2L).
84. Colocviul *Inginerul chimist si restructurarea industriei* (dedicat profesorului C. Calistru la a 85-a aniversare), Iasi, 5-6 octombrie **2001** (2L)
85. Conferinta OPROTECH –2001, Bacau, 22-23 Noiembrie, **2001** (1L)
86. Zilele Academice Timisene, Editia VII, 24-25 Mai, **2001** (2 L)
87. Simpozion "30 ani de invatamant de inginerie chimica la Cluj- Napoca », Cluj- Napoca, 6- 9 Septembrie, **2001** (1 L).
88. Waste Interactive Training Tool (supported by Leonardo da Vinci Program) Meeting I, Newcastle upon Tyne, United Kingdom, March 6- 10, **2002** (1P)
89. The 5th IWA Chemical Industry Group Conference, Nimes, France, November 13- 15, **2002** (1 L)
90. Conferinta Nationala de Chimie, Calimanesti, Romania, 23- 25 Octombrie, **2002** (3L)
91. 15th International Congress of Chemical and Process Engineering (CHISA 2002), Prague, Czech Republik, August 25- 29, **2002** (1 L)
92. A III-a Conferinta a Facultatii de Chimie Industriala, Iasi, Romania, 13- 15 noiembrie, **2002** (4 L)
93. 3rd International Conference of Chemical Societies of the S-E European Countries, Bucharest, Romania, 22- 25 September, **2002** (1 L).
94. 1st International Conference on Environmental and Engineering Management, Iasi, Romania, 26- 28 September, **2002** (1 L)
95. Deuxieme Colloque Franco- Roumain de Chimie Appliquée (COFrRoCA 2002), Bacau, Roumanie, 10- 11 octobre, **2002** (5 L).
96. Scientific Conference « 35 Years of Petroleum- Gas University Activity », Ploiesti, November 27- 29, **2002** (1L)
97. 4th Chemical Industry and Environment (EMCHIE **2003**), Las Palmas de Gran Canaria, Spain, 12- 14 February, 2003 (2L).
98. 2nd International Congress on Ultraviolet Technologies (IUVA **2003**), Vienna, Austria, 9- 11 July (1L).
99. Waste Interactive Training Tool (supported by Leonardo da Vinci Program) Meeting II, Semmering/Vienna, Austria, January 15- 19, **2003** (1P).
100. Conferința Națională "**Chimia 2003**", Constanța, 11-13 September 2003 (1 Conf + 2 L)
101. Waste Interactive Training Tool (supported by Leonardo da Vinci Program) Meeting III, Lodi/Milano, Italy, October 16- 19, **2003** (1P).
102. "Zilele Academice Timișene ", Ediția 8, Timișoara, 22- 23 Mai, **2003** (1 L)
103. 11 th Physical Chemistry Conference with International Participation (ROMPHYSICHEM 11), Timisoara, 2-5 September, **2003** (1 L).
104. Conferința Univerității din Oradea, Sept. **2003** (2 L).
105. Conferinta internationala "Agricultural and Food Sciences, Processes and Technologies ", Sibiu, 31.10.- 01.11, **2002** (2L).
106. Waste Interactive Training Tool (supported by Leonardo da Vinci Program) Meeting IV, Iasi, Romania, June 22- 27, **2004** (1P).
107. Environmental Engineering and Management (ICEEM/02), September 23- 26, **2004**, Iasi, Romania (1L)
108. Le Troisieme Colloque Franco- Roumain de Chimie Appliquée, Septembre 22- 26, **2004**, Bacau, Roumanie (7 L).
109. 16th International Congress of Chemical and Process Engineering, CHISA**2004**, **Prague**, August 22–26, (2 L).
110. A XXVIII –a Conferinta Nationala de Chimie, Octombrie 6-8, **2004**, Calimanesti- Caciulata, Romania (7L).
111. Annual Scientific Communications in Chemistry, University of Oradea, **2004**, Mai 27- 28, (1L).
112. NANOMAT 2005 National Workshop, National Institute of R/D for Technical Physics, Martie 24-25, **2005**, Iași, Romania (1L).
113. CAPE Forum 2005- ROMANIA,"Babeș-Bolyai" Univ. Cluj- Napoca, Romania, February 24- 26, **2005** (1L).
114. Third International Conference *Ecological Chemistry-2005*, Chișinău, Moldova, Mai 20-21, **2005** ,(2L).
115. Zilele Academice Timișene, Ediția IX, Timișoara, Romania, Mai 26- 27, **2005**, (2L).
116. The 14th Romanian International Conference on Chemistry and Chemical Engineering RICCCE XIV, Bucharest, Romania, September 22- 24, **2005**, (2L).
117. 1st South East European Congress of Chemical Engineering, Belgrade, September 25-28, **2005**, (2L).

118. Simpozion internațional *Prioritățile chimiei pentru o dezvoltare durabilă*, ICECHIM, București, Octombrie 20- 21, **2005**, (1L).
119. Conferința Națională de Chimie- Petrol, Sept. 8-9, **2005**, Constanta, Romania (1C, 2L).
120. International Conference « Several aspects of biology, chemistry, informatics, mathematics, and physics », November 11-13, **2005**, Oradea, Romania (1L)
121. 5th European Meeting on Chemical Industry and Environment EMCHIE 2006, Vienna, Austria, May 3-5, **2006**, (2L).
122. 4th Eastern Mediterranean Chemical Engineering Conference, January 9- 11, **2006**, Le Meridien Hotel, Dead Sea, Israel (2L).