

Ljiljana Kolar-Anić, *Curriculum Vitae*

Dr Ljiljana Kolar-Anić, *professor emeritus*

PERSONAL PARTICULARS

Name: **Ljiljana Kolar-Anić**

Date of birth: **22. 08. 1947.**

Place of birth: **Virovitica, Yugoslavia, Croatia**

Civil Status: **Married. Two children**

CONTACT

Office: Faculty of Physical Chemistry

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Serbia

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ljliljana.kolar.anic@gmail.com

EDUCATION

Ph.D. Physical Chemistry 1978

Faculty of Physical Chemistry, University of Belgrade, Belgrade, Yugoslavia, Serbia

Doctorate Thesis: “*Equation of State of the Real Gas in the Gravitational Field*”

M.Sc. Physical Chemistry - 1974

Faculty of Physical Chemistry, University of Belgrade, Belgrade, Yugoslavia, Serbia

Master Thesis: “*Mathematical Analysis of the Kinetics of the Complex Chemical Reactions*”

B.Sc. Physical Chemistry - 1970

Faculty of Physical Chemistry, University of Belgrade, Belgrade, Yugoslavia, Serbia

Graduation Thesis: “*Adsorption Characteristics of the Modified Surfaces of Alumina*”

Studies in Physical Chemistry 1966-1970, at that time: Faculty of Sciences, University of Belgrade, Belgrade, Yugoslavia, Serbia

POSTDOCTORAL STUDIES

Postdoctoral Studies – 1978-1979

Service de Chimie Physique II (Department for Theoretical Physical Chemistry) under the government of professor Ilya Prigogine, Universite Libre de Bruxelles, Bruxelles, Belgium

AFFILIATION

Ljiljana Kolar-Anić, *Curriculum Vitae*

1971-present - University of Belgrade, Faculty of Physical Chemistry, Belgrade, Serbia

RESEARCH EXPERIENCE

Multi-disciplinary research experience extending over related topics in Physical Chemistry (Chemical Kinetics, Statistical Thermodynamics, Nonlinear Dynamics, Oscillatory Chemical Reactions, Modeling of Complex Processes in Chemistry and Biology)

TEACHING EXPERIENCE

Professor of
Statistical Thermodynamics,
Nonlinear Dynamics
Oscillatory Processes in Chemistry, Physical Chemistry and Biology and
Modeling of Complex Processes

ACADEMIC TITLES

2017 - Professor *emeritus*, Faculty of Physical Chemistry, University of Belgrade
1996 - Full Professor, Faculty of Physical Chemistry, University of Belgrade
1991 - Associated Professor, Faculty of Physical Chemistry, University of Belgrade
1984 - Assistant Professor, Faculty of Physical Chemistry, University of Belgrade
1971 - Assistant, Faculty of Physical Chemistry, University of Belgrade

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

Member of South Slovenian Academy of Nonlinear Sciences
Member of Society of Physical Chemists of Serbia
Member of Presidency of the Serbian Society for Computational Mechanics

OTHER PROFESSIONAL ACTIVITIES

2004 – President of Scientific Committee of the International Conference in Nonlinear Sciences “Selforganization in Nonequilibrium Systems” accompanying the 7th International Conference on Fundamental and Applied Aspects of Physical Chemistry “Physical Chemistry 2004”; Belgrade, Serbia
1992, 1994, 1996, 1998, 2000, 2002, 2006, 2008, 2010, 2012, 2014, 2016, 2018 – Member of the Scientific Committee of the International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Yugoslavia, Serbia

SCIENTIFIC PROJECTS

International Projects:

TEMPUS PROJECT no 1234-92/2
Nonlinear Dynamics in Chemistry and Biosciences" 1992-93.
Leadership of the Project from Yugoslavian side

Ljiljana Kolar-Anić, *Curriculum Vitae*

OSCILLATORY PROCESSES AND SELFORGANISATION,

Scientific Contract between Belgrade University and Moscow University M.V. Lomonosov, 2000-2010.

Leadership of the Project from Yugoslavian side

DYNAMICS AND STATES OF THE SYSTEMS FAR FROM EQUILIBRIUM: OSCILLATORY PROCESSES, THE SYSTEM RESPONSE TO PERTURBATIONS, CONTAMINATION AND ADAPTATION OF THE SYSTEM,

Scientific Contract between University in Belgrade and Moscow University M.V. Lomonosov (Department of Biology), 2000-2010.

Leadership of the Project from Yugoslavian side

PHYSICAL AND BIOPHYSICAL CHEMISTRY OF THE SYSTEMS FAR FROM THERMODYNAMIC EQUILIBRIUM,

Scientific Contract between Belgrade University and Moscow University M.V. Lomonosov (Department of Biology).

Leaderships of the Project from Serbian side: dr Ljiljana Kolar-Anić, dr Čedomir Radenović, dr Slobodan Anić, 2006-2008

NONLINEAR DYNAMICS OF OSCILLATORY CHEMICAL REACTIONS RELATED TO ANTIOXIDANT ACTIVITY OF FOOD AND PHARMACEUTICALS,

Билатерални пројекат Италије и Србије (2013-2015) AIS3: Italian - Serbian Cooperation on Science, Technology and Humanities; референца: Ž. Čupić, Lj. Kolar-Anić, S. Anić, S. Maćešić, I. Nuša, M. Bubanja, N. Pejić, D. Stanisavljev, M. Milenković, A. Ivanović-Šašić, V. Marković, E. Greco, R. Cervellati, Nonlinear Dynamics of Oscillatory Chemical Reactions related to Antioxidant Activity of Food and Pharmaceuticals, P. Battinelli and J. Striber (Eds.), Italian - Serbian Bilateral Cooperation on Science, Technology and Humanities, SIGRa star, Belgrade (2015), 121-124. (ISBN 978-86-7522-048-0)

Руководилац пројекта испред Универзитета у Београду

Европски пројекат *CMST COST Action CM1304* под називом "Emergence and Evolution of Complex Chemical Systems" (03.12.2013 - 02.12.2017)

Руководиоци Пројекта у име Републике Србије: Жељко Чупић и Владимир Марковић

Engineering and Physical Sciences Research Council (EPSRC):

Projekat broj: EP/N033655/1

Naziv projekta: Personalised Pulsatile Materials (PPM), 1/12/2016 - 30/11/2018

Rukovodilac projekta za Srbiju

National Projects:

KINETIKA I TERMODINAMIKA NERAVNOTEŽNIH PROCESA SLOŽENIH ČVRSTIH SISTEMA

Republička zajednica nauke Srbije, 1970-75.

MOLEKULSKA STRUKTURA I SPEKTRI KONDENZOVANIH STANJA

Interesna zajednica nauke Srbije, 1975-80.

INTERAKCIJA I OSOBINE MOLEKULA I JONA U NERAVNOTEŽNIM I RAVNOTEŽNIM USLOVIMA

Interesna zajednica nauke Srbije, 1980-85.

SPEKTROMETRIJSKA ISPITIVANJA FIZIČKOHEMIJSKIH PROCESA I STANJA
Interesna zajednica nauke SR Srbije, 1985-1990.

IDENTIFIKACIJA KATALITIČKIH MEHANIZAMA ZA POTREBE NOVIH
TEHNOLOGIJA
Savezni ugovor, 1988-1993.

SPEKTROHEMIJA FIZIČKOHEMIJSKIH PROCESA I STANJA, DINAMIKA SISTEMA
Fond za nauku-RS, 1991-1995.

SAMOORGANIZACIJA NERAVNOTEŽNIH PROCESA
Savezno Ministarstvo 1994-1996.
Rukovodilac projekta

NOVI KONCEPTI U RAZVOJU HETEROGENE, HOMOGENE I ELEKTROKATALIZE
Savezno Ministarstvo 1994-1996.

RAZVOJ I UVOĐENJE U PROIZVODNJU VIŠE TIPOVA Pd KATALIZATORA NA
NOSAČIMA DIZAJNIRANIH ZA SPECIFIČNE USLOVE INDUSTRIJSKE PRIMENE
Ministarstvo za nauku Republike Srbije 1994-1997.

DINAMIKA, STABILNOST I SAMOORGANIZACIJA NERAVNOTEŽNIH SISTEMA
Ministarstvo za nauku Republike Srbije 1996-2000.
Rukovodilac projekta

1448 - FIZIČKA HEMIJA DINAMIČKIH STANJA I STRUKTURA NERAVNOTEŽNIH
SISTEMA – SAMOORGANIZACIJA, MULTISTABILNOST I OSCILATORNOST
Ministarstvo za nauku, tehnologije i razvoj-RS 2001-2005
Rukovodilac projekta

142025 - FIZIČKA HEMIJA DINAMIČKIH STANJA I STRUKTURA NERAVNOTEŽNIH
SISTEMA – OD MONOTONE DO OSCILATORNE EVOLUCIJE I HAOSA
Ministarstvo nauke i zaštite životne sredine -RS 2006-2010
Rukovodilac projekta

OI-172015 DINAMIKA NELINEARNIH FIZIČKOHEMIJSKIH I BIOHEMIJSKIH SISTEMA
SA MODELIRANJEM I PREDVIĐANJEM NJIHOVIH PONAŠANJA POD
NERAVNOTEŽNIM USLOVIMA
Ministarstvo prosvete i nauke RS 2011-2014
Rukovodilac projekta

Editor:

Selforganization in Nonequilibrium Systems,

Editori: Slobodan Anić, Željko Čupić, Ljiljana Kolar-Anić, The Society of Physical Chemists
of Serbia, Belgrade 2004, p. 1-226.

ISBN 86-82475-15-4 UDK: 50(082)

Hemijska industrija, vol.52 (9) 1998, Sveska posvećena proslavi 90 godina od osnivanja

Ljiljana Kolar-Anić, *Curriculum Vitae*

Fizičko-hemijskog zavoda i 95 godina od uvođenja nastave fizičke hemije na Univerzitetu u Beogradu,

Gosti urednici: Ljiljana Kolar-Anić, Borivoj Adnađević

PUBLICATIONS

BOOKS

Ljiljana Kolar-Anić

FOUNDATIONS OF STATISTICAL THERMODYNAMICS

First Edition, Publisher: Fakultet za fizičku hemiju, DP "Studentski trg" Beograd 1995, (Textbook in Serbocroat), ISBN: 86-82139-10-3, UDK 536.75(075.8)

Second Edition, Publisher: Univerzitet u Beogradu, Beograd 2000, (Textbook in Serbocroat) ID = 87177228, UDK 536.758(075.8)

Third Edition, Publisher: Fakultet za fizičku hemiju, Beograd 2009, (Textbook in Serbocroat) ISBN 978-86-82139-31-7

Lj. Kolar-Anić, S. Anić, V. Vukojević

DYNAMICS OF NONLINEAR PROCESSES. FROM MONOTONOUS TO OSCILLATORY EVOLUTION

Publisher: University of Belgrade, 2005. (Monograph in Serbocroat)

ISBN 86-82139-12-3

Ljiljana Kolar-Anić, Željko Čupić, Vladana Vukojević, Slobodan Anić

DINAMIKA NELINEARNIH PROCESA

Publisher: Fakultet za fizičku hemiju, Univerzitet u Beogradu, Beograd 2011, (Textbook in Serbocroat) ISBN: 978-86-82139-36-2

BOOK CHAPTERS (some of them)

Ljiljana Kolar-Anić, Slobodan Anić, Željko Čupić, Ana Ivanović-Šašić, Nataša Pejić, Slavica Blagojević and Vladana Vukojević, Chapter 23 Oscillating Reactions, in Encyclopedia of Physical Organic Chemistry, 6 Volume Set, Zerong Wang (Editor), Uta Wille (Associate Editor), Eusebio Juaristi (Associate Editor), ISBN: 978-1-118-47045-9, Volume 2, Part 2 Organic Reactions and Mechanisms, p.p. 1127-1222. (February 2017)

<http://eu.wiley.com/WileyCDA/WileyTitle/productCd-1118470451.html#>

Ž.Čupić, Lj.Kolar-Anić

CONTRACTION OF COMPLEX MODELS BY THE STOICHIOMETRIC NETWORK ANALYSIS,

Advanced Science and Technology of Sintering, B.D.Stojanović, V.V.Skorokhod, M.V.Nikolić (Eds), Kluwer Academic/Plenum Publishers, New York, 75-80 (1999).

Lj. Kolar-Anić, S. Anić, Ž. Čupić,

CHARACTERIZATION OF THE CATALYSTS BY MEANS OF AN OSCILLATORY REACTION

In "Finely Dispersed Particles: Micro-, Nano-, and Atto-Engineering", Eds. A. Spasić and Jyh-Ping Hsu, CRC (earlier: Marcel Dekker), Inc., New York 2006, pp. 191-216

ISBN: 1-5744-4463-8

Smiljana Jelić, Željko Čupić, Ljiljana Kolar-Anić,

MODELLING OF THE HYPOTHALAMIC-PITUITARY-ADRENAL SYSTEM ACTIVITY BASED ON THE STOICHIOMETRIC ANALYSIS

Ljiljana Kolar-Anić, *Curriculum Vitae*

In "New Research on Neurosecretory Systems", Eds. E.Romano, S. De Luca, Nova Science Publishers, Inc., New York 2008, pp. 225-245
ISBN: 978-1-60456-594-2

Željko Čupić, Vladimir Marković, Ana Ivanović, Ljiljana Kolar-Anić,
MODELING OF THE COMPLEX NONLINEAR PROCESSES: DETERMINATION OF THE
INSTABILITY REGION BY THE STOICHIOMETRIC NETWORK ANALYSIS
In: Christopher R. Brennan, Ed. *Mathematical Modelling*, Nova Science Publishers Inc., New York,
2013, pp. 111-178,
ISBN: 978-1-61209-651-3

Ljiljana Kolar-Anić, Željko Čupić,
LINEAR AND NONLINEAR REACTION SYSTEMS
in: Katica (Stevanović) Hedrih and Žarko Mijajlović (Eds.), *Nonlinear dynamics*,
Serbian Society of Mechanics, Belgrade, 2013, pp 67-88.
YU ISSN 0350-2910

REVIEWS (some of them)

Ljiljana Kolar-Anić
O PROCESU NUKLEACIJE
J.Serb.Chem.Soc., **48**, 195-206 (1983), in Serbocroat

Lj. Kolar-Anić, Ž. Čupić, S. Anić
MULTISTABILNOST I NELINEARNI DINAMIČKI SISTEMI
Hem. Ind., **52**, 337-342 (1998), In Serbocroat

S. Anić, Lj. Kolar-Anić, V. Vukojević, D. Stanisavljev, M. Radenković
BREJ-LIEBHAFSKI OSCILATORNA REAKCIJA,
Monografija: *Profesoru Draganu Veselinoviću*, S. Anić, D. Marković (eds.)
DFHS i FFH, Beograd 2001, 175-192, In Serbocroat

PUBLICATIONS IN SCIENTIFIC JOURNALS (SCI list)

Lj. Kolar-Anić, S. Veljković, S. Kapor, B. Dubljević
WEIBULL DISTRIBUTION AND KINETICS OF HETEROGENEOUS PROCESSES
J.Chem.Phys., **63**, 663-668 (1975)

Lj. Kolar-Anić, S. Veljković
STATISTICAL FOUNDATIONS OF HETEROGENEOUS KINETICS
J.Chem.Phys., **63**, 669-673 (1975)

Lj. Kolar-Anić, B. Milić
THERMODYNAMIC PROPERTIES OF A NONIDEAL GAS IN HOMOGENEOUS
GRAVITATIONAL FIELD
Physica A, **98A**, 325-336 (1979)

Lj. Kolar-Anić, R. Balescu
ON THE STEADY-STATE SOLUTIONS OF THE KINETICS OF HOMOGENEOUS

NUCLEATION

Chem.Phys., **46**, 281-286 (1980)

Lj.Kolar-Anić

TIME-INDEPENDENT SOLUTIONS OF THE KINETICS OF HOMOGENEOUS
NUCLEATION

Chem.Phys.Letters, **74**, 525-530 (1980)

S.Anić, Lj.Kolar-Anić

SOME NEW DETAILS IN THE KINETIC CONSIDERATIONS OF THE OSCILLATORY
DECOMPOSITION OF HYDROGEN PEROXIDE

Ber.Bunsenges.Phys.Chem., **90**, 539-542 (1986)

S.Anić, Lj.Kolar-Anić

THE OSCILLATORY DECOMPOSITION OF H₂O₂ MONITORED BY THE
POTENTIOMETRIC METHOD WITH Pt AND Ag⁺/S²⁻ INDICATOR ELECTRODE

Ber.Bunsenges.Phys.Chem., **90**, 1084-1086 (1986)

S.Anić, Lj.Kolar-Anić

THE INFLUENCE OF POTASSIUM IODATE ON HYDROGEN PEROXIDE
DECOMPOSITION IN BRAY-LIEBHAFSKY REACTION

Ber.Bunsenges.Phys.Chem., **91**, 1010-1013 (1987)

S.Anić, Lj.Kolar-Anić

KINETIC ASPECT OF THE BRAY-LIEBHAFSKY OSCILLATORY REACTION

J.Chem.Soc., Faraday Trans.I, **84**, 3413-3421 (1988).

S.Anić, D.Stanisavljev, G.Krnajski Belovljev, Lj.Kolar-Anić

EXAMINATION OF THE TEMPERATURE VARIATIONS ON THE BRAY-LIEBHAFSKY
OSCILLATORY REACTION

Ber.Bunsenges.Phys.Chem., **93**, 488-491 (1989).

Lj.Kolar-Anić, V.Dondur

THE AVERAGE RATE CONSTANT OF THE OVERALL PROCESS OF DESORPTION
FROM THE ENERGETICALLY HETEROGENEOUS SURFACE

Z.phys.Chemie, Leipzig, **270**, 737-744 (1989).

Dj.Mišljenović, Lj.Kolar-Anić

FIRST INTEGRAL METHOD FOR EVALUATION OF THE RELATIONS BETWEEN
COMPONENTS OF COMPLEX REACTIONS SYSTEMS

Croatica Chemica Acta, **63**, 693-699 (1990).

Lj.Kolar-Anić, Dj.Mišljenović, D.Stanisavljev, S.Anić

ON THE APPLICABILITY OF THE SCHMITZ'S MODEL TO DILUTION-REINITIATED
OSCILLATIONS IN THE BRAY-LIEBHAFSKY REACTION

J.Phys.Chem., **94**, 8144-8146 (1990).

Lj.Kolar-Anić, D.Stanisavljev, G.Krnajski Belovljev, Ph.Peeters, S.Anić

THE FIRST MAXIMUM OF THE IODIDE CONCENTRATION IN THE BRAY-
LIEBHAFSKY REACTION

Comput. Chem., **14**, 345-347 (1990).

S. Anić, Lj. Kolar-Anić, D. Stanisavljev, N. Begović, D. Mitić
DILUTION REINITIATED OSCILLATIONS IN THE BRAY-LIEBHAFSKY SYSTEM
React. Kinet. Catal. Lett., **43**, 155-162 (1991).

Lj. Kolar-Anić, Guy Schmitz,
MECHANISM OF THE BRAY-LIEBHAFSKY REACTION: EFFECT OF THE OXIDATION
OF IODOUS ACID BY HYDROGEN PEROXIDE
J. Chem. Soc. Faraday Trans., **88**, 2343-2349 (1992).

Lj. Kolar-Anić
LANGMUIR AND BET ADSORPTION ISOTHERMS. STATISTICAL-MECHANICAL
DERIVATION
J. Serb. Chem. Soc. **59**, 433-440 (1994).

Lj. Kolar-Anić, Đ. Mišljenović, S. Anić, G. Nicolis
THE INFLUENCE OF THE REDUCTION OF IODATE ION BY HYDROGEN PEROXIDE
ON THE MODEL OF THE BRAY-LIEBHAFSKY REACTION
React. Kinet. Catal. Lett. **54**, 35-41 (1995).

Ž. Čupić, S. Anić, A. Terlecki-Baričević, Lj. Kolar-Anić
THE BRAY-LIEBHAFSKY REACTION. THE INFLUENCE OF SOME POLYMERS BASED
ON POLY(4-VINILPIRIDINE)
React. Kinet. Catal. Lett. **54**, 43-49 (1995).

A. Terlecki-Baričević, Ž. Čupić, S. Anić, Lj. Kolar-Anić, S. Mitrovski, S. Ivanović
POLYVINYLPYRIDINE SUPPORTED IRON(III) CATALYST IN HYDROGEN PEROXIDE
DECOMPOSITION
J. Serb. Chem. Soc. **60**, 969-979 (1995).

Lj. Kolar-Anić, N. Vukelić, Dj. Mišljenović, S. Anić
ON THE INSTABILITY DOMAINS OF SOME MODELS FOR BRAY-LIEBHAFSKY
OSCILLATORY REACTION
J. Serb. Chem. Soc. **60**, 1005-1013 (Errata 1187) (1995).

Lj. Kolar-Anić, Dj. Mišljenović, S. Anić
KINETIC MODEL FOR THE BRAY-LIEBHAFSKY PROCESS WITHOUT REACTION
 $\text{IO}_3^- + \text{I}^- + 2\text{H}^+ = \text{HIO} + \text{HIO}_2$
React. Kinet. Catal. Lett., **57**, 37-42 (1996).

S. Anić, Lj. Kolar-Anić
THE BRAY-LIEBHAFSKY REACTION. VI. KINETICS IN IODIDE OSCILLATIONS
J. Serb. Chem. Soc. **61**, 887-891 (1996).

Slobodan Anić, Ljiljana Kolar-Anić, Endre Kőrös
METHODS TO DETERMINE ACTIVATION ENERGIES FOR THE TWO KINETIC
STATES OF THE OSCILLATORY BRAY-LIEBHAFSKY REACTION
React. Kinet. Catal. Lett. **61**, 111-116 (1997).

Mirjana Radenković, Guy Schmitz and Ljiljana Kolar-Anić
SIMULATION OF IODINE OXIDATION BY HYDROGEN PEROXIDE IN ACID MEDIA,
ON THE BASIS OF THE BRAY-LIEBHAFSKY REACTION
J.Serb.Chem.Soc. **62**, 367-369 (1997).

Ljiljana Kolar-Anić, Željko Čupić, Slobodan Anić, Guy Schmitz
PSEUDO-STEADY STATES IN THE MODEL OF THE BRAY-LIEBHAFSKY
OSCILLATORY REACTION
J.Chem.Soc.Faraday Trans. **93**, 2147-2152 (1997).

S.Anić, D.Stanisavljev, Ž.Čupić, M.Radenković, V.Vukojević, Lj.Kolar-Anić
THE SELFORGANIZATION PHENOMENA DURING CATALYTIC DECOMPOSITION OF
HYDROGEN PEROXIDE
Sci.Sinter. **30**, 49-57 (1998).

V.Vukojević, N.Pejić, D.Stanisavljev, S.Anić, Lj.Kolar-Anić
DETERMINATION OF Cl⁻, Br⁻, I⁻, MALONIC ACID AND QUERCETIN BY PERTURBATION
OF A NONEQUILIBRIUM STATIONARY STATE IN THE BRAY-LIEBHAFSKY REACTION
Analyst, **124**, 147-153 (1999).

Ž.Čupić, Lj.Kolar-Anić
CONTRACTION OF THE MODEL FOR THE BRAY-LIEBHAFSKY OSCILLATORY
REACTION BY ELIMINATING INTERMEDIATE I₂O
J. Chem. Phys., **110**, 3951-3954 (1999).

V. Vukojević, S. Anić, Lj. Kolar-Anić
INVESTIGATION OF THE DYNAMIC BEHAVIOR OF THE BRAY-LIEBHAFSKY REACTION
IN THE CSTR. DETERMINATION OF BIFURCATION POINTS
J.Phys.Chem.A, **104**, 10731-10739 (2000).

G.Schmitz, Lj.Kolar-Anić, S.Anić, Ž. Čupić
THE ILLUSTRATION OF MULTISTABILITY
J. Chem. Edu., **77**, 1502-1505 (2000).

J.Čirić, S.Anić, Ž.Čupić, Lj.Kolar-Anić
THE BRAY-LIEBHAFSKY OSCILLATORY REACTION. KINETIC INVESTIGATIONS IN
REDUCTION AND OXIDATION PATHWAYS BASED ON HYDROGEN PEROXIDE
CONCENTRATION MONITORING,
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S.Blagojević, N.Pejić, S.Anić, Lj.Kolar-Anić
BELOUSOV-ZHABOTINSKY OSCILLATORY REACTION. KINETIC OF MALONIC ACID
DECOMPOSITION
J.Serb.Chem.Soc. **65**, 709-713 (2000).

N.Pejić, Ž. Čupić, S.Anić, V.Vukojević, Lj.Kolar-Anić
THE OSCILLATORY BRAY-LIEBHAFSKY REACTION AS A MATRIX FOR ANALYZING
ENZYME AND POLYMERIC CATALYSTS FOR HYDROGEN PEROXIDE DECOMPOSITION
Sci.Sinter. **33**, 107-115 (2001).

V. Vukojević, N. Pejić, D. Stanisavljev, S. Anić, Lj. Kolar-Anić
MICRO-QUANTITATIVE DETERMINATION OF QUERCETIN BY
PERTURBATION OF A NON-EQUILIBRIUM STATIONARY STATE IN THE BRAY-
LIEBHAFSKY REACTION SYSTEM
Pharmazie, **56**, (2001) 897-898.

V. Vukojević, S. Anić, Lj. Kolar-Anić
INVESTIGATION OF THE DYNAMIC BEHAVIOR OF THE BRAY-LIEBHAFSKY REACTION
IN THE CSTR. PROPERTIES OF THE SYSTEM EXAMINED BY PULSED PERTURBATIONS
WITH I⁻
Phys.Chem.Chem.Phys., **4**, 1276-1283 (2002).

Lj. Kolar-Anić, Ž. Čupić, S. Anić, B. Adnadjević, V. Vukojević, J. Ćirić
ANALYSIS OF A MODEL FOR N₂O DECOMPOSITION OVER CU-ZSM-5 IN AN OPEN
REACTOR
Environ Sci. and Pollution Res., **3**, 149-150 (2002).

Nataša Pejić, Slobodan Anić, Vesna Kuntić, Vladana Vukojević, Ljiljana Kolar-Anić
KINETIC DETERMINATION OF MICROQUANTITIES OF RUTIN BY PERTURBATION
OF THE BRAY-LIEBHAFSKY OSCILLATORY REACTION IN AN OPEN SYSTEM
Mikrochimica Acta (Microchimica Acta), **143**, 261-267 (2003).

N. Begović, Z. Marković, S. Anić and Lj. Kolar-Anić
COMPUTATIONAL INVESTIGATION OF HIO AND HIO₂ ISOMERS
J. Phys. Chem. A, **108**, 651-657 (2004).

N. Begović, Z. Marković, S. Anić and Lj. Kolar-Anić
MODELLING THE FORMATION OF BIOGENIC IODINE IN MARINE AEROSOLS
Environmental Chemistry Letters, **2**, (2004) 65-69.

N. Pejić, Sl. Blagojević, S. Anić, V. Vukojević, Lj. Kolar-Anić
MICROQUANTITATIVE DETERMINATION OF HESPERIDIN BY PULSE
PERTURBATION OF THE OSCILLATORY REACTION SYSTEM
Anal. Bioanal. Chem., **381**, 775-780 (2005).

Ana Popović-Bijelić, Goran Bijelić, Ljiljana Kolar-Anić, Vladana Vukojević,
NUMERICALLY SIMULATED pH-INDUCED REACTIVATION OF CATALYTIC
ACTIVITY OF HORSERADISH PEROXIDASE,
Ann. N.Y. Acad. Sci. **1048**, 457-460 (2005).

S. Jelić, Ž. Čupić, Lj. Kolar-Anić,
MATHEMATICAL MODELING OF THE HYPOTHALAMIC-PITUITARY-ADRENAL
SYSTEM ACTIVITY.
Mathematical Biosciences, **197**, 173-187 (2005).

M. Milošević, N. Pejić, Ž. Čupić, S. Anić, Lj. Kolar-Anić
EXAMINATIONS OF CROSS-LINKED POLYVINILPYRIDINE IN OPEN REACTOR
Material Science Forum, **494**, 369-374 (2005).

Bojan Janković, Borivoj Adnadjević, Jelena Jovanović, Dragica Minić, Ljiljana Kolar-Anić

THERMOGRAVIMETRIC ANALYSIS OF SUPERABSORBING POLYACRILIC HYDROGEL

Material Science Forum, **494**, 193-198 (2005).

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