Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Maria Lozanova Valcheva-Traykova**

Desired employment / Occupational field

Work experience

Dates **2001- 2012:**
Chemist in the Department of Pharmacology and Toxicology, Medical University of Sofia, Sofia, Bulgaria.
1998-2001:
Senior Research Associate, NASA Center for Advanced Microgravity Materials Processing (CAMMP), Department of Chemical Engineering, Northeastern University, Boston, MA, U.S.A.
1977-1998:
Research Fellow, Laboratory Catalysis on Zeolites, Institute of Catalysis, Bulgarian Academy of Sciences, Sofia, Bulgaria

Occupation or position held Chemist

Main activities and responsibilities Scientific activities, research training and work with research students, involvement in Projects, help the staff in the education process.

Education and training

Dates **1977**: Masters Degree (quantum chemistry)
1993: Ph.D. Degree (Catalysis)
1981: 2 months exchange visitor, Laboratory Catalysis on Zeolites, Sibirian Branch of the Academy of Sciences of USSR, Novosibirsk, Russia.
1990: 9 months exchange visitor Department of Chemical Engineering, Worcester Polytechnic Institute, Wocester, MA, U.S.A

Title of qualification awarded PhD Chemistry

Name and type of organisation providing education and training **Masters Degree** – University of Sofia "saint Climent Oschridski"
PhD degree – Institute of Catalysis, Bulgarian Academy of Science.

Personal skills and competences

Other language(s) **Bulgarian – native language**

Self-assessment *European level (*)*	**Understanding**		**Speaking**		**Writing**
	Listening	Reading	Spoken interaction	Spoken production	
Russian	C2	C2	C2	C2	C2
English	C2	C2	C2	C2	C1
French	C1	C2	C1	a2	A2

(*) Common European Framework of Reference for Languages

Social skills and competences

-Peacemaker. I approach the conflicts with an understanding that all parts have what to gain if accept to negotiate.
-I Like to motivate people to work by acknowledging their efforts.
- I can take initiative and responsibility. In an extreme situation usually I react fast and defend the interests of the group.
-I work well as a team member.
-I can take individual responsibilities and I can handle individual tasks.
- I easily adapt to international environment, because of my experience during international specializations (1981-Institute of Catalysis, Novosibirsk, USSR, 3 months; 1990 - Worcester Polytechnic Institute, Worcester, MA, USA, 9 months) and work abroad (1998-2001 – NASA-Center for Advanced Microgravity Materials Processing (CAMMP), Northeastern University, Boston, MA).
- I can set goals, find appropriate people to work with, and join as participant in scientific Projects:

1987-1990:

NSF grant with Worcester Polytechnic Institute, MA, USA:"catalytic steps in methane dimerization": visiting researcher (participant)

1998-2001:

NASA CAMMP: Comparative research on zeolites synthesized in low earth orbit and in ground earth laboratory: participant

2002-2010:

Department of Pharmacology and Toxicology, Medical Faculty, Medical University – Sofia:

Proposal 5/2002 granted by the Scientific Board of the MU-Sofia: *"In vivo* investigation on the effect of the Galantamine Hydrobromide on the oxidative stress"(2002-2003); participant

Proposal 6/2002 granted by the Scientific Board of the MU-Sofia: "*In vitro* investigation on the antioxidant properties of Galantamine derivatives" (2002-2003); leading scientist and participant.

Proposal 16/2003 granted by the Scientific Board of the MU-Sofia; спечелен и сключен на 30.05.2004г: "*In vitro* investigation on the effect of Galantamine hydrobromide on the oxidative activity of macropages" (2003-2004): leading scientist and participant. This was a joint Project of the Department of Pharmacology and Toxicology and Department of Physics and Biophysics of the Medical Faculty, MU-Sofia.

Proposal 44/2005 granted by the Scientific Board of the MU-Sofia: "Research on the effect of Galantamine Hydrobromide on the model of Spontaneously Hypertensive" (2005-2006); leading scientist and participant. This was a joint Project of the Department of Pharmacology and Toxicology and Department of Physiology of the Medical Faculty, MU-Sofia.

Proposal 43/2007, Project 19/2008, granted by the Scientific Board of the MU-Sofia: "Сравнително изследване на промените в показателите на оксидативния стрес в хипталамус, хиокамп, кортекс и кръвна плазма на плъх в условията на нарушен денонощен ритъм бодърстване/сън (инсомния) с или без хронично алкохолно повлияване: корелации с депресивна симптоматика и повлияване с витамин Е" (2008-2009): leading scientist and participant.

Project No.143423-LLP-1_2008_1-ES_KA3_KA3MP, granted by EACEA:"Multilanguage virtual Simulated Patient" (2008-20010); The Bulgarian Team Leading Scientist – Professor Dr. Nadka Boyadjieva: researcher and participant for the Bulgarian Non-Native Platform, UGR, Quality control and Pilot test-coordinator.

Organisational skills and competences

Advising and teaching research students in experiments planning and performance, data collection, analysis, interpretation and presentation:

1999-1993:
Worcester Polytechnic Institute, Worcester, MA, USA:
Jeng-Shiang Tsaih, PhD student from Taiwan;

1998-2001:
NASA CAMMP, Northeastern University, Boston, MA, USA:
Burcu Acata, PhD student
Reidun Vold, research student,
Danielle Bottari, research student
Xiaohui Yao – research student

2003-2011:
Department of Pharmacology and toxicology, Medical Faculty, Medical University of Sofia:
Research students:
Lozan Todorov (pharmacy student): 2003-2005г.
Diana Djukmedwieva (medical student): 2004-2008г.
Miroslava Varadinova (medical student): 2007-2008г.
Lounthmila Astasidi Астасиди (foreign medical student, Greece): 2007-2011.
Stamatios-Theodoros Chatzopoulos (foreign medical student, Greece): 2008-2009.
Sofia Gancheva (medical student): 2008-2009г.
Doreta Panayotova (medical student): 2008-2009г.
Other activities with students:
- Workshops with research students on the Bulgarian Virtual Patient (15.12.2010 and 16.12.2010).
- Seminars for research students on some basic skills in Project preparation and management.

Technical skills and competences

Analytical methods in chemistry:

1. Analysis of gases and liquid samples using GC/MS: sample preparation, performing the experiment, data processing and interpretation.
2. Analysis of the structure and surface of solid materials, and monitoring the adsorption of organic species using conventional and diffuse-reflectance spectrometers (Nicolet) (atmospheric pressure, vacuum, ambient or elevated temperatures): sample preparation, performing the experiment, data processing and interpretation.
3. Analysis of solid samples using UV-VIS spectrometer (Nicolet): samples preparation, data processing and interpretation.
4. Analysis of the crystal structure and perfection of large inorganic crystals (zeolites and other inorganic materials) by X-ray diffraction using Bruker General Area Diffractometer Detector (GADDS) (goniometer): sample preparation, performing the experiment, data processing and interpretation.
5. Powder X-ray diffraction analysis using conventional Bruker D5005 Powder diffractometer: sample preparation, performing the experiment, data analysis and interpretation.
6. Particle-size analysis of large particles using Aerosizer: samples preparation, data processing and interpretation.
7. Analysis of the particle-size distribution of metal particles on solid carriers surface using TEM (Phillips): data analysis and interpretation.
8. Analysis of solid materials using SEM (Toshiba): Data analysis and interpretation.
9. DTA/DTG: data analysis and interpretation.
10. Conventional wet-chemistry techniques (pH measurements, titration etc).
11. *In vitro* and *in vivo* analysis of antioxidant activities of drugs against brain degeneration. Statistical verification of drug effects. Development of statistical approach for evaluating the reliability of individual and mutual effects of factors applied to rat's model of oxidative stress.

Preparation and modification of inorganic materials:

1. Preparation of mixed oxides by co-precipitation.
2. Modification of zeolites and related materials by cation exchange in solution and solid-state cation exchange.
3. Deposition of active phases on carriers surfaces using wet techniques.

Heterogeneous catalysis:

1. Performance of gas-phase catalytic experiment at atmospheric and elevated pressures using solid catalyst.
2. Measurement of the adsorption and thermo-desorption of gases on solid surfaces.
3. Heterogeneous catalytic experiments in solution.
4. Evaluation of the relative change of the solid catalyst after activation, and after contact with the components of the reaction medium, using different combinations of different physical methods, regarding the specificity of the material and reaction investigated.

Biochemistry and Pharmacological Research:

In vivo models:

Effects of the Oxidative stress on the short-time memory of Wistar rats:

1. Performance in 8-arm Radial Maxe ask with 8 baits

-Performance in 8-arm Radial Maze task with 4 baited arms

-Calculations and evaluations of Average Running Time, Effficacy, Working Memory Errors, Reference Memory Errors.

2. Shuttle- box experiment for evaluation of the emotional memory and depression of model animals.

-Statistical evaluation of the results.

Computer skills and competences	IBM; Microsoft Word, Editpad, Notepad, Lotus, Excel, Power Point, Origin, Instat; Scanner, Photoshop; Internet skills: Internet Explorer, Netscape Navigator, Eudora, Speedmail; Software packages for instrument control, data processing and presentations: OMNIC (Nicolet Program package for instrument control, data collection, data analysis and presentation using Nicolet Magna FT-IR), Diffrac+ (Bruker software for instrument control, data collection, data analysis and data presentation using Bruker D5005 powder X-ray diffractometer), GADDS_3_OR_4 CIRCLE (Bruker Program package for control, data processing and presentation using GADDS), Software package for collection and analysis of Aerocizer, Chemstation (Software package of Agilent Technologies for instrumental control (data collection, data analysis and interpretation using HP5793MSD and the corresponding GC).
Number of publications in scientific journals	Publications: 46, with total IF=14.07 Number of Citations found:219, of them 163 in Journals with Impact Factors having total IF= 371.33.
Number of publications (chapters) in books	8
Additional information	Number of research communications in Conferences – 57 **Reviewer in:** **Journal of Cell and Animal Biology** **jcab@academicjournals.org**
Annexes	Attachment 1: List of publications to March, 2011-02-24 Attachment 2: List of reports on Conferences, Symposiums and Congresses. Attachment 3: List of Citations fount to March, 2011. Attachment 4- Proof for referee in a Journal - 2012

ATTACHMENT 1:

LIST OF PUBLICATIONS TO JULY, 2013

1. Davidova, N. Peshev, M. Valcheva and D. Shopov: "Regulation of the selectivity and stability of zeolite catalysts containing transition metals", Acta Physica et Chemica 24 N (1-2), 113 (1978). (**IF=0.24**)
2. Davidova, N. Peshev, M. Valcheva, D. Shopov:"Role of the metal components in the transformations of alkilaromatics on zeolite catalysts", Trudi Vsesojuznoj Conferentsii po mekchanizmu kataliticheskich reaktsii, Nauka Moskow, USSR, 1978, I, p. 11 (in Russian).
3. M. Valcheva, T. Alexandrova, N. Davidova, D. Shopov: "On some Factors, effecting the selectivity of zeolite catalysts, containing transition metals ", IV International Symposium on Heterogeneous Catalysis, Varna, Bulgaria, 1978. II, p. 397 (in Russian).
4. Davidova, M. Valcheva, T. Alexandrova, D. Shopov: "Nature of the catalytic activity of zeolite catalysts containing transition metals", Proc. of the V-th International Conference on Zeolites, Naples, Italy, 1978, p. 678.
5. Davidova N., M. Valcheva, D. Shopov: "Effect of metal dispersion on the activity of zeolite catalysts containing transition metals", in "Studies in surface science and Catalysis", 5: "Catalysis by Zeolites", Els. Sci. Publ., Amsterdam, the Netherlands, 1980, p. 285.
6. Klyueva, M. Valcheva, N. Davidova, K. Ione, D. Shopov: "Specific action of nickel zeolite catalysts in the methanation of carbon monoxide", React. Kinet. Catal. Lett. **17** (3-4) 315 (1981). (**Average IF=0.370**).
7. Davidova N., M. Valcheva, D. Shopov: "Effect of dispersion on the catalytic function of the metal in nickel containing catalysts", Zeolites **1** 72 (1981).
8. Davidova, M. Valcheva, D. Shopov: "Interaction of CO and H2 with nickel-containing zeolites Y and Mordenite ", in. "Catalysis on Zeolites", Liblice, Chechoslovakia, 1982, p.44 (in Russian).
9. Davidova, M. Valcheva, D. Shopov: "Effect of the reaction medium on the metal microstructure of nickel-zeolite catalysts", in "Metal microstructure in Zeolites", Els. Sci. Publ., Amsterdam, the Netherlands, Stud. Surf Sci. Catal. **12** (1982), p. 253-260.
10. Davidova N. , M. Valcheva, D. Shopov: "Effect of the preparation on the catalytic activity and stability of Cr and Pb dopped zeolite catalysts in the disproportionation of alkil-aromatic hydrocarbons", in proc of the V-th international Symposium on Heterogeneous Catalysis, Varna, Bulgaria, 1983, I, p. 499 (in Russian).
11. Davidova, M. Valcheva, D. Shopov: "Study of the dispersion of zeolite supported nickel in dependence of the zeolite type and the reaction medium", in "Structure and Reactivity of Modified Zeolites", Els. Sci. Publ., Amsterdam, the Netherlands, 1984, p. 353.
12. Davidova, M. Valcheva, P. Kovacheva, D. Shopov: "Catalytic properties of nickel-zeolite catalysts in reactions, proceeding in presence of hydrogen", VI-th Symp. Heterogeneous Catalysis, Sofia, Bulgaria, 1987, II, 152.
13. Weiss, J. Cook, R. Holmes, N. Davidova, P. Kovacheva, M. Traykova, "Selective oxidation of methane to Ethane over Amorphous PbO-MgO-Al_2O_3 Derived from Hydrotalcites, Proc, of 4-th Japan-China-U.S.A. Symposium on Catalysis, Saporo, Japan, 1989, p. 124.
14. Tanielyan, S. Ivanov, M. Valcheva, M. Boneva, V. Sofroniev, "Prognostication of the operating terms of transformer oils", *Oxidation Communications*, **13** (1), 1-7, (1990).
15. Weiss, J. Cook, R. Holmes, N. Davidova, P. Kovacheva, M. Traykova, "Redox cycle oxidative coupling of methane", in "Novel Materials in Heterogeneous Catalysis" ACS Symposium Series 437, p. 241, 1990. (**Average IF=0.62**).
16. M. Traykova, "A new approach to the particle-size distribution investigation in Nickel-containing zeolites", Proc. Zeocat 90, Leipzig 171, (1990).
17. M. Traykova, J.-S. Tsaih, N. Davidova, A.H, Weiss, "Oxidative coupling of methane over MgO-doped La_2O_3" Proc. of 7-th International Symposium on Heterogeneous Catalysis, Burgas, II,1991, p. 703.
18. A.H.Weiss, J.-S. Tsaih, N. Davidova, M. Traykova., "The effect of pressure on methane activation in quartz", Proc. of 7-th International Symposium on Heterogeneous Catalysis, Burgas, II, 1991, p.723.
19. A. H. Weiss, J.-S. Tsaih, N. Davidova, M. Traykova, "Methane activation at elevated pressures in quartz", *Catalysis Today* **13** 609 (1992). (**Average IF=1.78**).
20. M. Valcheva-Traykova, N.Davidova, A.Weiss, "Thermal decomposition of Mg-Al hydrotalcite material", *J. Material Sci.* **28** 2157, (1993). (**Average IF=0.95**).

21. Tsaih, A. H. Weiss, M. Traykova, and N. Davidova, "Methane Oxidating coupling over La_2O_3/MgO catalyst", Proc. of the International Conference on Catalysis and Catalytic Processing, Capetown, South Africa, October 24-27, 1993, p. 241.
22. M. Valcheva-Traykova, N. Davidova, A. H. Weiss, *J. Material Sci*. **30** 737 (1995). (**Average IF=1.78**).
23. Davidova N., M. Valcheva-Traykova, Proc. Intern. Symposium on Zeolites, Nanjing, China, 1995, part II, p. 197-204.
24. M. Valcheva-Traykova, J. -S. Tsaih, N. P. Davidova, A. H. Weiss, proc. of the 8th Int. Symp. Heterogeneous Catalysis, Varna, 1996, Bulgaria, (A. Andreev, & all Eds.), 1996 part I, p. 183.
25. Tsaih, M. L. Valcheva-Traykova, N. P. Davidova, A. H. Weiss, proc. of the 8th Int. Symp. Heterogeneous Catalysis, Varna, 1996, Bulgaria, (A. Andreev, et all Eds.), 1996 Part II, p. 547.
26. M. Traykova, N. Davidova, J.-S. Tsaih and A. H. Weiss, "Oxidative coupling of methane - The transition from Reaction to transport Control over La_2O_3/MgO Catalyst", *J. Appl. Catalysis*: **A 168** 237 (1998). (**IF= 2.64**)
27. Tsaih J.-S., A. H. Weiss, M. L. Valcheva-Traykova and D. P. Davidova: "Kinetics and selectivity of methane oxidation over 10% La_2O_3-MgO catalyst", *Bulg. Chem. Commun*., 1998, **30** (1-2):277-284.
28. M. Valcheva-Traykova, N. Davidova, "Effect of the allocation of alkali cations on the basicity of zeolites", Proc. 12-th Intern. Zeol. Conference, July, 1998, Baltimore, U.S.A., vol. II, (M. M. J. Treacy, B. K. Marcus, M. E. Bisherand J. B. Higgins, Eds), MRS, Warrendale, PA, U.S.A., 1999, p. 981-987.
29. Bac N., J. Warzywoda, G. Rossetti, Jr., M. Valcheva-Traykova, and A. Sacco, Jr., "Zeolite crystal Groth in Space", 1998 Fall Mater, Research. So. Meeting, Boston, MA, U.S.A., in press Invited Paper, Mat. Res. Soc., Symp. Proc., Vol. 551 pp.245-254, 1999.
30. J. Warzywoda, M. Valcheva-Traykova, G. A. Rossetti, Jr., Nurcan Bac, R. Joesten, S. Suib, A. Sacco, Jr, " Characterization of zeolites A and X grown in microgravity", J. Crystal Growth **220**, 150-155 (2000). (**IF=1.390**)
31. S. Ferchiche, M. Valcheva-Traykova, D. E. W. Vaughan, J. Warzywoda, A. Sacco, Jr, "Synthesis of large single crystals of zeolite y", J. Crystal growth, **222,** 802-805 (2001). (**IF=1.390**)
32. Maria Traykova, Juliusz Warzywoda, Albert Sacco, Jr., (2002): "Effect of the free fall environment on the structure of zeolite NaA grown in a low earth orbit", *Bulgarian Chemical Communications* **34**, 195-200.
33. M. Traykova, T. Traykov, V. Hadjimitova, K. Krikorian, and N. Bojadgieva (2003): Antioxidant properties of Galantamine Hydrobromide; Z. Naturforsch. **58c** 361-365 (2003). (**IF=0.780**)
34. M. Traykova, T. Traykov, V. Hadjimitova, D. Krikorian, S. Parushev, P. Mechkarova, N. Bojadgieva (2003): Galantamine and Galantamine hydrobromide as scavengers of hydroxyl radicals; *Compt. Rend. Bulg. Acad. Sci*. **56**(8): 87 – 90, (2003).
35. M. Traykova, T. Traykov, M. Mileva, (2004): Galantamimne hydrobromide as an in vivo antioxidant in rat's brain and liver; Compt. Rend. Bulg. Acad. Sci. **57**(2) 103 – 108.
36. M. Traykova, T. Traykov, V. Petrova, L. Todorov, I. Lambev, (2004): Galantamine hydrobromide enhances the vitality of rats peritoneal macrophages; Compt. Rend. Bulg. Acad. Sci. **57**(9):99-104.
37. M. Tryakova, T, Traykov, V. Petrova, (2004): "Effect of galantamine hydrobromide on the reactive oxygen species released by rats peritoneal macrophages" I.; Compt. Rend. Bulg. Acad. Sci. **57**(10): 93-96.
38. M. Traykova, I. Kostova, (2005): Coumarins and oxidative stress; Int. J. Pharmacol. **1**(1): 29-32.
39. Todorov L., V. Hadjimitova, M. Traykova and T. Traykov, (2005): *In Vitro* Chemiluminescence Investigation of the Antioxidant Properties of Yohimbine. Trakia J. Sci. Vol 3, Suppl.1: 36-38.
40. M. Traykova, L. Todorov, P. Markova, D. Andreeva, and T. Traykov, (2005): Effect of Galantamine on the short memory of Spontaneously hypertensive rats (SHR) exposed to insomnia; *Trakia J. Sci*. Vol 3, No.3: 16-19.
41. I. Kostova, and M. Traykova, (2006): "Cerum (III) and Neodimum (III) complexec as scavengers of X/XO derived superoxide radical". *Medicinal Chemistry*, **2**(5): 463-470. (**IF=1.603**)
42. I. Kostova, M. Traykova, and Vinod K. Rastogi, (2008): "New lanthanide complexes with antioxidant activity." J. Medicinal Chemistry, vol.4 (No. 4): 371-378. (**IF=1.603**)
43. L. Astasidi, M. Traykova, T. Traykov, and N. Boyadjieva, (2012): In vivo antioxidant effect of Trolox in rat brain, in model of prolonged Ethanol Intake. Trakia Journal od Sciences, 2012, *in press*
44. B. Memedi, M. Traykova, N. Boyadjieva, (2012): Effects of plant oil and animal fat on the free-radicals formation in the blood plasma and liver of juvenile rat exposed to a fat-rich diet. Trakia Journal of Sciences, 2012, *in press*

45. T. Traykov, M. Traykova, L. Astasidi, N. Boyadjieva, (2012): Trolox decreases the Oxidative Damage of the blood plasma in rat models of Diurnal Rhythm Disturbance and Prolonged Ethanol Intake. Trakia Journal od Sciences, 2012, *in press*
46. M. Traykova, L. Astasidi, T. Traykov, N. Boyadjieva, (2012): In vivo Antioxidant effect of Trolox in the brain of rats exposed to Diurnal Rhythm Disturbance. Trakia Journal od Sciences, 2012, *in press*.

CHAPTERS IN BOOKS:

1. M. Traykova, N. Boyadgieva, in "Medical Pharmacology" (Bulg.), Chapter 3: Pharmacodynamics of drugs (I. Lambev, I. Krushkov, and N. Boyadgieva, Eds.), ARSO Medical Publishers, Sofia, 2003, pp. 37-45.
2. М. Трайкова, във "Фармакология за стоматолози" (Ред. Проф. Н. Бояджиева): Раздел 1: Обща фармокология; глава 1.6.3: "Количествено определяне на лекарствените взаимодействия", София, Изд. Арсо, 2005: стр. 34-38.
3. Трайкова, М., "Роля на оксидативния стрес и антиоксидантите при бременност и лактация", глава 1.10 от книгата "Лекарства, бременност и кърмене", ред. Н. Бояджиева и И. Ламбев, изд. АРСО, 2006, стр. 47 – 67.
4. М. Трайкова: гл. 3.9: „Влияние на реактивните частици върху фармакодинамиката на лекарствата. Роля на антионсидантите", „Фармакология, учебник за студенти по медицина" (Ред. Ив. Ламбев и Н. Бояджиева), изд. АРСО, 2009, стр.58-60.
5. М. Трйкова: Глава 1.6.3: „Количествено определяна не лекарствените взаимодействия", в Учебник по фармакология за студенти по дентална медицина и студенти от медицинските колежи – II издание, ред. Проф. Н. Бояджиева, София, АРСО, 2012: стр. 33-37
6. M. Traykova, N. Boyadjieva: Chapter 64: "Embriotoxicity and Teratogeneicity of drugs", in "Basic and Clinical Pharmacology with Toxicology" (N. Boyadjieva Editor), Sofia, ARSO Publisher: pp328-337.
7. M. Traykova, N. Boyadjieva: Chapter 65: "Genotoxicity, Mutagenesis and Cancerogenesis of drugs", in "Basic and Clinical Pharmacology with Toxicology" (N. Boyadjieva Editor), Sofia, ARSO Publisher: pp 338-343.
8. M. Traykova, N. Boyadjieva: Chapter 66: "Drug Interactions in Toxicology", in "Basic and Clinical Pharmacology with Toxicology" (N. Boyadjieva Editor), Sofia, ARSO Publisher: pp. 338-343.

ATTACHMENT 2:

SCIENTIFIC REPORTS TO JULY, 2013

1. N. Davidova, N. Peshev, M. Valcheva and D. Shopov,"Regulation of the selectivity and stability of zeolite catalysts containing transition metals", Sceged, Hungary, 1978.
2. Н. Давидова, Н. Пешев, М. Вълчева, Д. Шопов,"Роль металлических компонентов в механизме оревращения алкилароматических углеводородов вна цеолитных катализаторах", Труды всесоюзной Конференции по механизму каталитических реакций" Наука, Москва, 1978.
3. М. Вылчева, т. Александрова, Н. Давидова, Д. Шопов, "О некоторых факторах, влияющих на селективность цеолитхых катализаторов, содержащих переходные металлы", Гетерогенный Катализ", Варна, Болгария, 1979.
4. N. Davidova, M. Valcheva, T. Alexandrova, D. Shopov,"Nature of the catalytic activity of zeolite catalysts containing transition metals" Proc. of V-th International Conference on Zeolites, Naples, Italy, 1978.
5. Н. Давидова, М. Вылчева, Д. Шопов, "Взаимодействие CO и H2 с никельсодержащими цеолитами типа Y и Морденита", сб."Катализ на Цеолитах", Либлице, Чехословакия, 1982.
6. N. Davidova, M. Valcheva, D. Shopov, "Effect of the reaction medium on the metal microstructure of nickel-zeolite catalysts", in "Metal microstructures in Zeolites", Els. Sci. Publ., Amsterdam, the Netherlands, 1982.
7. Н. Давидова, М. Вылчева, Д. Шопов, " "Гетерогенный Катализ", Варна, I, Болгария, 1983.
8. N. Davidova, M. Valcheva, D. Shopov, "Study of the dispersion of zeolite supported nickel in deoendence of the zeolite type and the reaction medium", in "Structure and Reactivity of Modified Zeolites", Els. Sci. Publ., Amsterdam, the Netherlands, 1984.
9. Н. Давидова, М. Вылчева, П. Ковачева, Д.Шопов, "Каталитические свойства никелысодержащих цеолитов в реакциях, протекающих в присутствии водорода", VI-th Symp. Heterogeneous catalysis, Sofia, 1987.
10. .A. H. Weiss, J. Cooc, R. Holmes, N. Davidova, P. Kovacheva, M. Traykova, "Selective oxidation of methane to Ethane over Amorphus PbO-MgO-Al_2O_3 Derived from Hydrotalcite", Proc, of 4-th Japan-China-U.S.A. Symposium on Catalysis, Saporo, Japan, 1989.
11. .A.H.Weiss, J. Cook, R, Holmes, N. Davidova, P. Kovacheva, M. Traykova, "Redox cycle oxidative coupling of methane", in "Novel Materials in Heterogeneous Catalysis" 1990.
12. M. Traykova, J.-S. Tsaih, N. Davidova, A.H, Weiss, "Oxidative coupling of methane over MgO-doped La_2O_3" Proc. of 7-th International Symposium on Hetetrogeneous Catalysis, Burgas, 1991.
13. .A.H.Weiss, J.-S. Tsaih, N. Davidova, M. Traykova, "The effect of pressure on methane activation in quartz", Proc. of 7-th International Symposium on Hetetrogeneous Catalysis, Burgas, II, 1991.
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ATTACHMENT 4:

Participation in referring manuscripts:

Year	Journal	Number
2012	**Journal of Cell and Animal Biology** **jcab@academicjournals.org**	JCAB-12-036 Ogundeji et al.

I received your approval of the revised manuscript JCAB-12-036 Ogundeji et al. Thank you so much for your assistance. We will request your assistance in the future as the need arises.

I appreciate your effort. Thank you sir.

Regards,

Best regards,

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(ISI indexed journal)