



Hungary-Serbia
IPA Cross-border Co-operation Programme



The Programme is co-financed by the
European Union

Europass Curriculum Vitae

Project acronym

MATCROSS

Abbreviated name of the organization

SZTE

Personal information

First name(s) / Surname(s)

András Sápi

Address(es)

17 Ifjúság street, H-5100, Jászberény, Hungary

Telephone(s)

+36 62544316

Mobile: +36 303250021

Fax(es)

+36 62544619

E-mail

sapia@chem.u-szeged.hu

Nationality

Hungarian

Date of birth

12.03.1983

Gender

Male

Position / role In the project

Researcher

Work experience

Dates

September 2010 onwards

Occupation or position held

Assistant lecturer

Main activities and responsibilities

Educational, supervisory and research activities on the field of material science, nanotechnology, environmental and applied chemistry

Name and address of employer

Dept. of Applied and Environmental Chemistry, Faculty of Sciences, University of Szeged, 1 Rerrich square, H-6720, Szeged, Hungary

Type of business or sector

Jobholder

Education and training

Dates

2007 onwards (ongoing degree acquisition)

Title of qualification awarded

PhD in chemistry

Principal subjects/occupational skills covered

Carbon nanotube - metallic nanoparticle-based nanocomposites for catalytic applications

Name and type of organisation providing education and training

Faculty of Sciences, University of Szeged, Hungary

Level in national or international classification

ISCED 6



Hungary-Serbia

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Dates 2001 – 2007

Title of qualification awarded Chemist, Teacher of Chemistry, English-Hungarian professional (chemist) interpreter

Principal subjects/occupational skills covered
- Organic, Inorganic, Physical, Analytical, Applied Chemistry, Colloid and material Science
- Psychology, Pedagogy, Chemical educational skills
- English-Hungarian interpreting skills

Name and type of organisation providing education and training Faculty of Sciences, University of Szeged, Hungary

Level in national or international classification ISCED 5A

Personal skills and competences

Mother tongue(s) Hungarian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Advanced level	C1	Advanced level	C1	Advanced level	C1	Advanced level	C1	Advanced level
A1	Beginners level	A1	Beginners level	A1	Beginners level	A1	Beginners level	A1	Beginners level

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

Social skills and competences

I have been working in a research team since 5 years. I was co-supervisor of 7 thesis works. I have been to Finland for 9 month for research in an international research group.

Technical skills and competences

I have good command on synthesizing and characterizing instruments of material sciences (XRD, IR, BET, TEM-ED, SEM-EDS, UV-Vis, TG-DTG-DTA)

Computer skills and competences

I have passed a Hungarian intermediate software operational exam, Familiar with MS Office tools (Word, Excel, PowerPoint) and data analysis programme (Origin)

Driving licence

I am a holder of a Hungarian driving licence with category "B"

Additional information

I have 12 research publications, 7 of it registered in the Citation Index of ISI Web of Science, 1 book chapter on research, 6 oral lecture and 6 posters on the area of nanotechnology.

Annexes

Publication list

Signature

András Sápi – Publication list

Research publications

- 2010 D. Molnar, P. Heszler, R. Mingesz, Z. Gingl, A. Kukovecz, Z. Konya, H. Haspel, M. Mohl, **A. Sapi**, I. Kiricsi, K. Kordas, J. Mäklin, N. Halonen, G. Toth, H. Moilanen, S. Roth, R. Vajtai, P. M. Ajayan, Y. Pouillon, A. Rubio
Increasing chemical selectivity of carbon nanotube-based sensors by fluctuation-enhanced sensing
FNL 9 (2010) 277-287
IF = 0,00
- 2010 A. Dombovari, N. Halonen, **A. Sapi**, M. Szabo, G. Toth, J. Mäklin, K. Kordas, J. Juuti, H. Jantunen, Á. Kukovecz, Z. Kónya
Moderate anisotropy in the electrical conductivity of bulk MWCNT/epoxy composites
CARBON 48 (2010) 1918-1925
IF = 4,504
- 2010 N. Halonen, A. Rautio, AR. Leino, T. Kyllönen, G. Toth, J. Lappalainen, K. Kordas, M. Huuhtanen, R. L. Keiski, **A. Sapi**, M. Szabo, Z. Kónya, Á. Kukovecz, K. Kordás, I. Kiricsi R. Vajtai, P. M. Ajayan
Three-Dimensional Carbon Nanotube Scaffolds as Particulate Filters and Catalyst Support Membranes
ACS NANO 4 (2010) 2003-2008
IF = 7,493
- 2010 D. Sranko, A. Pallagi, E. Kuzmann, S. E. Canton, M. Walczak, **A. Sápi**, Z. Kónya, Á. Kukovecz, P. Sipos, I. Pálinko
Synthesis and properties of novel Ba(II)Fe(III) layered double hydroxides
Appl. Clay Sci. 48 (2010) 214-217
IF = 2,784
- 2010 Á. Kukovecz, D. Molnár, K. Kordás, Z. Gingl, H. Moilanen, R. Mingesz, Z. Kónya, J. Mäklin, N. Halonen, G. Tóth, H. Haspel, P.

- Heszler, M. Mohl, **A. Sápi**, S. Roth, R. Vajtai, P. M. Ajayan, Y. Pouillon, A. Rubio, I. Kiricsi
Carbon nanotube based sensors and fluctuation enhanced sensing
Phys. Status Solidi C 7 (2010) 1217–1221
IF = 0,000
- 2010 C. Janaky, B. Endrodi, K. Kovacs, M. Timko, **A. Sapi**, C. Visy
Chemical synthesis of poly(3-thiophene-acetic-acid)/magnetite nanocomposites with tunable magnetic behaviour
Synth. Metals 160 (2010) 65-71
IF = 1,901
- 2009 R. Remias, A. Sapi, R. Puskas, Z. Kónya, Á. Kukovecz, I. Kiricsi
Adsorption of C6 hydrocarbon rings on mesoporous catalyst supports
Chem. Phys. Lett. 482 (2009) 296-301
IF = 2,291
- 2009 **A. Sápi**, R. Rémiás, Z. Kónya, Á. Kukovecz, K. Kordás, I. Kiricsi
Synthesis and characterization of nickel catalysts supported on different carbon materials
RKCL 96 (2007) 379-389
IF=0,557
- 2008 L. Sárközi, E. Horváth, A. Szabó, E. Horváth, **A. Sápi**, G. Kozma, Z. Kónya, A. Papp
Neurotoxic effects of metal oxide nanoparticles on the somatosensory system of rats following subacute intratracheal application
CEJOEM 14 (2008) 277-290
IF = 0,000
- 2008 **Sapi A.**
Több figyelmet a műanyagoknak!
A Kémia Tanítása 1 (2008) 16-26
IF = 0,000
- 2007 R. Smajda, Z. Győri, **A. Sápi**, M. Veres, A. Oszkó, J. Kis-Csitári, Á. Kukovecz, Z. Kónya, I. Kiricsi
Spectroscopic studies on self-supporting multi-wall carbon nanotube based composite films for sensor applications
J. Mol. Struct. 834-836 (2007) 471-476

IF = 1,440

2006

András Sápi

Building up a system based on periodic method for measuring thermal properties of nanocomposites

ISBN: (10)973-638-254-0 April, 2006

IF = 0,000

Book chapters

2010

A. Sapi, R. Remias, A. Kukovecz, I. Palinko, Z. Konya, I. Kiricsi

9. Fundamental aspects of the synthesis, modification, characterization and catalytic testing of various silicate forms and metal nanoparticle-mesoporous silicate composite materials

Istvan Halasz: Silica and silicates in modern catalysis; Chapter 9. 187-212, ISBN: 978-81-7895-455-4, 2010

Posters

2010

Aron Dombovari, Niina Halonen, **Andras Sapi**, Maria Szabo, Geza Toth, Jani Mäklin, Krisztian Kordas, Jari Juuti, Heli Jantunen, Akos Kukovecz, Zoltan Konya

Moderate electrical anisotropy in aligned multi-walled carbon nanotube forests and carbon nanotube/epoxy composites

NGS Meeting, Jyväskylä, Finland, 2009.06.17 – 2009.06.18

2009

Jarmo Kukkola, Jani Mäklin, Niina Halonen, Krisztián Kordás, Melinda Mohl, **Andras Sapi**, Akos Kukovecz, Zoltan Konya, Imre Kiricsi, Ashavani Kumar, Arava Leela Mohana Reddy, Robert Vajtai, Pulickel M. Ajayan

Electrical properties and gas sensitivity of nickel-palladium nanowire thin films

Nanoscience days, Jyväskylä, Finland, 2009.10.29 – 2009.10.30

2008

N. Halonen, T. Kyllönen, G. Tóth, K. Kordás, M. Huuhtanen, R. L. Keiski, **A. Sápi**, M. Szabó, Á. Kukovecz, Z. Kónya, R. Vajtai, P. M. Ajayan

Multi-walled carbon nanotubes grown in 3-dimensional templates:
Facile route towards novel membrane-type catalyst support materials
Nanoscience days, Jyväskylä, Finland, 2009.10.23 – 2009.10.24

2008 M. Huuhtanen, E. Turpeinen, P. K. Seelam, R. L. Keiski, **A. Sápi**, M. Szabó, K. Santosh, N. Halonen, G. Toth, K. Kordas

Carbon nanotube based catalysts for ethanol reforming and hydrogen fuel cells

Nanoscience days, Jyväskylä, Finland, 2009.10.23 – 2009.10.24

2007 Jozsef Szel, Endre Horvath, **Andras Sapi**, Akos Kukovecz, Zoltan Konya, Imre Kiricsi

On the morphology and transport properties of HDPE-titanate nanowire nanocomposites

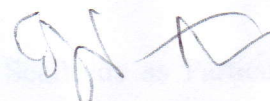
IWEPNM 2007, Kirchberg in Tirol, Austria, 2007.03.10 – 2007.03.17

2006 R. Smajda, Z. Gyóri, **A. Sápi**, M. Veres, A Oszkó, J. Kis-Csitári, Á. Kukovecz, Z. Kónya, I. Kiricsi

Spectroscopic studies on self-supporting multi-wall carbon nanotube based composite films for sensor applications

XXVIII EUCMOS (2006), Istanbul, Turkey, 2006.09.03 – 2006. 09. 08

Szeged, 31.01.2011.



2010

D. Szabó, A. Pallagi, E. Kuzman, S. E. Canton, M. Walczak, A. Sápi, Z. Kónya, Á. Kukovecz, P. Sárosi, I. Pálfi

Synthesis and properties of novel Ba(II)/Fe(III) layered double hydroxides

Appl. Clay Sci. 48 (2010) 214-217

IF = 2,784

2010

Á. Kukovecz, D. Molnár, K. Kordas, Z. Óngi, H. Mollanen, R. Mingesz, Z. Kónya, I. Mäkilä, N. Halonen, G. Toth, H. Haspel, P.