



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **MIHAIL CONSTANTIN MANGRA**
Address(es) University of Craiova, 13, A. I. Cuza nr., Craiova, Romania, code: 200585, fax: +40 251 411688
Telephone(s) +40.0251.413.844 Mobile: +40.744.320231.
Fax(es) +40.0251.418.803
E-mail mihail_mangra@yahoo.com
Nationality Romanian
Date of birth 10.04.1946
Gender Mmale

Desired employment / Occupational field

research team member

Work experience

Dates 2010 onwards
Occupation or position held Executive Director of Romanian Movement for Quality
Main activities and responsibilities Management
Name and address of employer RMQ – Romanian Movement for Quality
Type of business or sector Management

Dates 2008- onwards
Occupation or position held President of the Association Laboratories in Romania - ROLAB
Main activities and responsibilities Management
Name and address of employer ROLAB – Association Laboratories in Romania
Type of business or sector Management

Dates 2008 onwards
Occupation or position held Vice-Rector on scientific research issues
Main activities and responsibilities University management activity
Name and address of employer University of Craiova, 13, A. I. Cuza nr., Craiova, Romania, code: 200585, fax: +40 251 411688
Type of business or sector Higher education

Dates 2007 onwards
Occupation or position held Member of Advisory Board for Research, Development and Innovation Committee 4: New Materials, Micro and Nanotechnologies
Main activities and responsibilities Research management activity

Name and address of employer University of Craiova, 13, A. I. Cuza nr., Craiova, Romania, code: 200585, fax: +40 251 411688
Type of business or sector Higher education

Dates 2006 onwards
Occupation or position held Member of C.N.A.D.T.C.U.
Commission of Chemical Engineering, Materials Engineering and Food Engineering

Main activities and responsibilities Research management activity

Name and address of employer University of Craiova, 13, A. I. Cuza nr., Craiova, Romania, code: 200585, fax: +40 251 411688
Type of business or sector Higher education

Dates 2004-2008
Occupation or position held Dean

Main activities and responsibilities University management activity

Name and address of employer University of Craiova, Faculty of Engineering and Management of Technological Systems, 1, Calugareni, 220037, Drobeta Turnu Severin, Mehedinti, Romania, Tel: +40 252333431, Fax: +40 252317219, Website: www.imst.ro
Type of business or sector Higher education

Dates 1999 – 2009
Occupation or position held Vice - President of Romanian Movement for Quality

Main activities and responsibilities Management

Name and address of employer RMQ – Romanian Movement for Quality
Type of business or sector Management

Dates 1996 – 2004
Occupation or position held Vice - Rector on students' problems issues

Main activities and responsibilities University management activity

Name and address of employer University of Craiova, 13, A. I. Cuza nr., Craiova, Romania, code: 200585, fax: +40 251 411688
Type of business or sector Higher education

Period 1995 – 1996
Occupation or position held Vice - Manager

Activities and main responsibilities University management activity

Employer name and address University College from Drobeta Turnu Severin, University of Craiova, Romania, 1, Calugareni, 220037, Drobeta Turnu Severin, Mehedinti, Romania, Tel: +40 252333431, Fax: +40 252317219, Website: www.imst.ro
Activity type Higher education

Period 1992 – 1996
Occupation or position held Head of department TCM-MU

Activities and main responsibilities University management activity

Employer name and address University of Craiova, Faculty of Mechanics, 107, Calea Bucuresti, postcode. 200512, Craiova, Dolj, Romania, Telefon: 0251 543739; Fax: 0251 416630, Website: http://mecanica.ucv.ro/
Activity type Higher education

Period 1984 – 1992
Occupation or position held Vice-dean

Activities and main responsibilities University management activity

Employer name and address University of Craiova, Faculty of Mechanics, 107, Calea Bucuresti, postcode. 200512, Craiova, Dolj, Romania, Telefon: 0251 543739; Fax: 0251 416630, Website: <http://mecanica.ucv.ro/>

Activity type Higher education

Period 1980 - 1984

Occupation or position held Scientific counselor

Activities and main responsibilities University management activity

Employer name and address University of Craiova, Faculty of Mechanics, 107, Calea Bucuresti, postcode. 200512, Craiova, Dolj, Romania, Telefon: 0251 543739; Fax: 0251 416630, Website: <http://mecanica.ucv.ro/>

Activity type Higher education

Dates 1997 onwards

Occupation or position held Professor

Main activities and responsibilities Teaching (Materials' science and engineering, Powder metallurgy, Magnetical materials, in accordance with the gained specialisations); scientific research (36.); research projects in international research programs (5); research projects in national research programs (19), activity in professional associations (European Powder Metallurgy Association; Romanian Society Of Powder Metallurgy, Romanian Tribology Association); scientific reviewer in journals: Journal of Process Mechanical Engineering, Universitaria Publishing House, technical expert: expert evaluator: European programs FP6/7, Romania (CEEX, CNCSIS). Powder Metallurgy Summer School, EPMA, Madrid, Spain, 5-10 July 2010;

Name and address of employer University of Craiova, Faculty of Mechanics, 107, Calea Bucuresti, postcode. 200512, Craiova, Dolj, Romania, Telefon: 0251 543739; Fax: 0251 416630, Website: <http://mecanica.ucv.ro/> (1997-2003); University of Craiova, Faculty of Engineering and Management of Technological Systems, 1, Calugareni, 220037, Drobeta Turnu Severin, Mehedinti, Romania, Tel: +40 252333431, Fax: +40 252317219, Website: www.imst.ro (2003-onwards)

Type of business or sector Higher education

Dates 1990-1997

Occupation or position held Associate Professor

Main activities and responsibilities Teaching (Materials' science and engineering, Powder metallurgy, Magnetical materials, in accordance with the gained specialisations); scientific research (28); research projects in national research programs (7)

Name and address of employer University of Craiova, Faculty of Mechanics, 107, Calea Bucuresti, postcode. 200512, Craiova, Dolj, Romania, Telefon: 0251 543739; Fax: 0251 416630, Website: <http://mecanica.ucv.ro/>

Type of business or sector Higher education

Period 1978 – 1990

Occupation or position held Assist. Professor

Activities and main responsibilities Teaching (Materials' science and engineering, Powder metallurgy, Magnetical materials, in accordance with the gained specialisations); scientific research (19.); research projects in national research programs (18), activity in professional associations (European Powder Metallurgy Association; Romanian Society Of Powder Metallurgy, Romanian Tribology Association);

Employer name and address University of Craiova, Faculty of Mechanics, 107, Calea Bucuresti, postcode. 200512, Craiova, Dolj, Romania, Telefon: 0251 543739; Fax: 0251 416630, Website: <http://mecanica.ucv.ro/> 2003-onwards:

Activity type Higher education

Period 1975 – 1978

Occupation or position held University assistant engineer

Activities and main responsibilities Teaching (Materials' science and engineering, Powder metallurgy, Magnetical materials, in accordance with the gained specialisations); scientific research (4); research projects in national research programs (8), activity in professional associations (European Powder Metallurgy Association; Romanian Society Of Powder Metallurgy, Romanian Tribology Association);

Employer name and address University of Craiova, Faculty of Mechanics, 107, Calea Bucuresti, postcode. 200512, Craiova, Dolj, Romania, Telefon: 0251 543739; Fax: 0251 416630, Website: <http://mecanica.ucv.ro/>
2003-onwards:

Activity type Higher education

Period 1974 - 2010

Occupation or position held Manager and member in scientific research groups
(41 national funding projects and 3 international funding projects, see appendix)

Activities and main responsibilities Scientific research and university management activity

Employer name and address University of Craiova

Activity type Higher education

Period 1975 - 2010

Activities and main responsibilities Articles author and co-author (87), Books author and co-author (laboratory guiding books 3, academic books 2, monographs 6 – see appendix)
Patents author and co-author(2 – see appendix)

Employer name and address University of Craiova

Activity type Higher education

Period 1975 - 2010

Period 1971 – 1975

Occupation or position held Design Engineer

Employer name and address "Electroputere" Enterprise, Craiova, Romania

Education and training

Period 2003

Obtained qualification / diploma Specialisation: Hard magnetic materials elaboration by SPS process (Spark Plasma Sintering)

Institution name and type Max-Planck Institute, Dresda, Germany

Period 1999

Obtained qualification / diploma Specialisation: Quality Management

Institution name and type Romanian Association for Quality

Period 1996 - 2000

Obtained qualification / diploma Specialisation: University management

Institution name and type "Pierre et Marie Curie" University, Paris, France

Period 1990

Obtained qualification / diploma PhD in Materials' Science and Engineering

Main objects studied / gained professional competences Thesis: Metallurgical research on the elaboration of the barium ferrites permanent magnets, scientific coordinator: prof. dr. eng. Marin Trusculescu

Period 1976 - 1977

Obtained qualification / diploma Specialisation: Powder Metallurgy

Institution name and type Polytechnic Institute from Cluj-Napoca, Romania

Period 1966 - 1971

Obtained qualification / diploma Engineer, specialisation: Automotive Constructions Technology
 Institution name and type "Traian Vuia" Polytechnic Institute, Faculty of Automotive Constructions Technology, Timisoara, Romania
 Period 1961 - 1965
 Obtained qualification / diploma High-school graduation diploma
 Institution name and type "Emanoil Godju" high-school, Oradea, Romania

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)										
Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
French	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Independent user
(*) <i>Common European Framework of Reference for Languages</i>										

Managing competences and aptitudes Managing competence gained through the obtained specialisations and by the developed managing activities, written above

Technical competences and aptitudes Materials' science and engineering, Powder metallurgy, Magnetical materials, in accordance with the gained specialisations

PC using competences and aptitudes Yes

Organisational skills and competences Experience in executing complex research projects accepted for funding through public competition: member of 4 international projects (COST, FP7, FP6,) and 41 national projects
 Articles author and co-author (87), Books author and co-author (laboratory guiding books 3, academic books 2, monographs (6)
 Patents author (2) and co-author(2)
 PhD thesis leadership: key areas: Engineering Sciences, Doctoral Field: Engineering materials: 16 PhD students (PhD thesis topic concern to: Materials' science and engineering).

Technical skills and competences General technical skills and competences in powder metallurgy, metallic composites, nanomaterials and nanotechnologies
 Research projects:
 General technical skills and competences in powder metallurgy, metallic composites, nanomaterials and nanotechnologies
 Research projects:
 International projects:
 "Nanoalloys as Advanced Materials: From Structure to Properties and Applications"; COST - MPNS Action MP0903, 2010-2013, coordinator of the research team at University of Craiova, Romania, , (http://w3.cost.eu/index.php?id=247&action_number=MP0903)

„Platform for the implementation of NAIADES PLATINA “ (FP7) , TREN/FP7/TR/218362, ; 2008-2011 (<http://www.naiades.info/platina/page.php?id=138&path=1,3,6>)
Improving the understanding of the impact of nanoparticles on human health and the environment - IMPART; FP6-013908/2005-2007 funding course: 2005-2008 (<http://www.impart-nanotox.org/>)
High performing new materials processed by powder metallurgy technology; funding course: 1996, contract no RO-4096/1996.

National projects:

„Microwelding systems for circuit elements and incapsulation of microstructures and actuators; acronym : MICROWELD „ Research grant PNCDI-II no.265/2007,(<http://www.isim.ro/microweld/>);

Technical skills and competences

Developing of knowledge concerning nanostructured materials elaborated and microprocessed by Powder Metallurgy for M.E.M.S. components, acronym: PRONANOMAT,, CEEX, Contract no. C85/2006, (<http://pronanomat.eu>);

„Plurifunctionalized microstructures for Ti alloy coated by advances technology, acronym MICROFUNCTIA, CEEX code 2013, (www.imst.ro);

“Biocompatible nanostructured materials for medical devices”, acronym: NANOBIO MED, CEEX no. 40/2005, (www.pub.ro)

„Researches regarding systems of evaluation and control for the level of emissions in naval transport; acronym „: emSHIPs , CEEX no. 108/2005,; (www.emships.ipacv.ro);

“The influence of the composition and the structure on the thermodynamical, electrical and magnetic properties of the micro- and nanostructured oxidic materials with special magnetoresistive properties” CMR-TEM, - CEEX no. 94/2006, <http://web.icf.ro/cmrtcm/>)

„Sintered magnets based on Nd-Fe-B alloys with high thermal stability”; acronym: MAGSTAB; Research grant INVENT, 2005-2006;

Research on sintered carbon steels processing from mixtures with Fe powders and Fe₃C nanopowder particles”, CNCSIS 108/2005, no. 2005, (www.cncsis.ro);

„Studies on the manufacturing technologies of some Cu-based sintered antifriction materials with low tin content”, CNCSIS, no 33062/2004, (www.cncsis.ro);

„Fe-based sintered materials for auto lubricant bearings manufacturing”, CNCSIS, no: 33062/2004, (www.cncsis.ro);

„Fe-based sintered materials for auto lubricant bearings manufacturing, CNCSIS, no 3354/20032003, (www.cncsis.ro); „

„Research on pressure sintering with microwave heating”, CNCSIS, no 40202/2003, (www.cncsis.ro);
Processing of lightweight nanocomposites materials for aerospace and automotive transportation, CNCSIS no , 33547/2003 (www.cncsis.ro);

“Processing of lightweight nanocomposite materials for aerospace and automotive transportation”, CNCSIS, no 33547/2003, (www.cncsis.ro)

„ PM working devices on tool-machines, CNCSIS, no 33451/2002, (www.cncsis.ro);

„Research on Spark Plasma Sintering (SPS) for anisotropic ceramic magnets processing, CNCSIS ,t no. 35253/2001,, 2001, (www.cncsis.ro);

“Research on cutting processes optimization for the hard cutting materials, (A.N.S.T.I.), Research contract no. 663/1996, 153 I/2000 (A6),

“Composite materials with polymers, textile fibers, metallic wires, carbides, ceramic and metallic magnetic materials processed from recovered wastes” , Research contract no. 663/1996, 153 I/2000 (A11), beneficiary National Agency of Research and Innovation (A.N.S.T.I.);

Research on processing metallic and ceramic magnetic materials for building machines and electro technical industries; CNCSIS, NO t cod 544/1999 (34), (www.cncsis.ro);

Composite materials with polymers, textile fibers, metallic wires, carbides, ceramic and metallic magnetic materials processed from recovered wastes; , no 663/1996, 333/1999 (A11), beneficiary National Agency of Research and Innovation (A.N.S.T.I.);

“Research on the influence of densification additions for C-based alloys on physical-mechanical properties and wear resistance”; contract no. 1084C/1993 (A1)

Patents;

Mangra, G.I., Gingu, O., Foamed composite material metal/rubber, mechanically attached on the table tennis and processing route, O.S.I.M., Bucharest, Romania no. A/00117/2010

Popescu T.V., **Mangra, M.,** Vida-Simiti I., *Sintered carbon steel sheet of high density and processing route, O.S.I.M., Bucharest, Romania, no. 119183 C/2004*

Mangra, M., Ghermec C.V., Popescu T.V., Deliu Ghe., *Sintered carbon steel processing route, O.S.I.M., Bucharest, Romania, no. 122678/2007*

Technical skills and competences

Relevant publications

Books

- Raducanu, D. **Mangra, M.**, Gingu, O. s.a., *Materiale Nanostructurate Biocompatibile pentru Aplicatii Medicale*, Vol. I, Ed. PRINTECH, 2008 (168 pag), ISBN 978-606-521-002-8
- Raducanu, D., **Mangra, M.**, Gingu, O. s.a., *Materiale Nanostructurate Biocompatibile pentru Aplicatii Medicale. Contributii la dezvoltarea domeniului*, Vol. II, Ed. PRINTECH, 2008
- Mangra, M.**, Gingu, O., Gheorghe, St., **Ciupitu, I.**, Teșanu, C., **Sima, G.**, *Technologies And Applications In Powder Metallurgy*, Unive Printing House, Craiova, 2002, ISBN: 973-8043-106-5
- Mangra, M.**, *Powder metallurgy materials*, UnivPrinting House, Craiova, 1997, ISBN -973-9271-17-0.
- Sontea, S., **Mangra, M.**, Didu, M., Vaduvoiu, Ghe., Nicola, D., Dobrota, D., Ivanus, R., *Processing of recyclabe materials to obtainb raw materials*, Universitaria Printing House, Craiova, 1998, ISBN: 973-9271-36-7.
- Sontea, S., **Mangra, M.**, Dumitru, C., Tarata, D., Vaduvoiu, Ghe., Herscovici, P., Mazilu, D., Pascu, I., *Powder metallurgy - technologies and applications*, Universitaria Printing House, Craiova, 1999, ISBN: 973-9271-80-7.

Papers

- Mangra, M.**, Sima, G., Gingu, O., *Tribological Composite Materials For The Automotive Industry. Functional Characteristics*, 13th International Colloquium Tribology, Ostfildern, Germany, 15-17 Jan. 2002, p. 968-972
- Mangra, M.**, Sima, G., Gingu, O., Nicoara, V., *Influence On Spark Plasma Sintering (SPS) Process Parameters On The Functional Characteristics Of The Barium Ferrite Permanent Magnets*, Proc. of the 3rd International Conference on Materials and Technologies MATEHN'02, Cluj-Napoca, Romania, 12-14 Sept. 2002, p.467-470
- Mangra, M.**, Sima, G., Gingu, O., Ciupitu, I., *Influence On The Cooling Rate On Al/Sic Composite Microstructure*, Proc. of the 1st International Conference on Advanced Materials and Processing Technologies AMPT'01 Madrid, Spain, 18-21 Sept. 2001, p.1547-1551
- Mangra, M.**, Sima, G., Gingu, O., Teisanu, C., Ciupitu, C., Gheorghe, St., *Tribological Composite Materials For The Automotive Industry. Physical And Mechanical Characteristics*, Proc. of the World Tribology Congress WTC 2001, Vienna, Austria, 03-07 Sept. 2001, p.491-496
- Mangra, M.**, Sima, G., Gingu, O., Orban, R.L., *Research Concerning Al/(Sic+Graphite) Nanocomposites Powder Particles Elaboration Having Self-Lubricating Properties*, Proc. of the 7th International Conference on Composite Engineering ICCE/7, Colorado, U.S.A., 2000, p.577-578
- Gingu, O., Benga, G., Olei, A., Lupu, N., Rotaru, P., Tanasescu, S., **Mangra, M.**, Ciupitu, I., Pascu, I., Sima, G., *Wear Behaviour Of Ceramic Biocomposites Based On Hydroxiapatite Nanopowders*, Journal of Process Mechanical Engineering, Part E, ISSN 0954/4089, 2009 (available in October 2010)
- Gingu, O., Lupu, N., Tanasescu, S., Rotaru, P., Harabor, A., **Mangra, M.**, Ciupitu, I., Sima, G., Olei, A., Bucse, I., *Spark Plasma Sintering Behavior Of Ceramic Biocomposites Based On Hydroxyapatite Nanopowders*, European Powder Metallurgy congress EUROPOM 2009, 12-14 oct. 2009, Copenhagen, Denmark
- Gingu, O., Sima, G., Ciolacu, F., Mangra, M., *Mechanical Alloying – A Challenge For Composite Powders Processing*, Proc. of the 2nd International on Advanced Materials and Structures AMS 2002, Timisoara, Romania, 19-21 Sept. 2002, p.163-166;
- Gingu, O., **Mangra, M.**, Orban, R., Clyne, B., Torralba, JM., Sima, G., Gergely V., Ruis-Navas, E., Gordo, EO., *Foams And Dense Light-Weight Metallic Composites Processed By Powder Metallurgy Technology*, Review of Industrial Engineering, no1, vol.1, 2008, Universitaria Printing House, Craiova; ISSN 1583-5200, p 66-75
- Gingu, O., Sima, G., **Mangra, M.**, Pisc, M., Nicoara, V., Radulescu Bota, P., *Processing Of PM Al-Based Composite Materials By Microwave Sintering*, Proc. Of the International Conference SINTERING 05, Grenoble, France, 5-7 Sept. 2005, p.139-142;
- Gingu, O., Sima, G., Jumate, N., Orban, R.L., **Mangra, M.**, *Critical Study On The Dimensional Change During The Liquid State Sintering Of PM Al/Sic Composites*, Proc. of the 3rd International Conference on Materials and Technologies MATEHN'02, Cluj-Napoca, Romania, 12-14 Sept. 2002, p.471-476;
- Gingu, O., G. Sima, **M. Mangra**, R. Orban, *Al/Sicp Composites Behaviour At Differential Thermal Analysis (DTA) As Function Of Initial Powder Mixture*, Proc. of the 1st International Conference on Advanced Materials and Processing Technologies AMPT'01 Madrid, Spain, 18-21 Sept. 2001, p. 1535-1540;

Computer skills and competences

Microsoft XP System: Word, Excel, Power Point Electronic systems for communications