Europass Curriculum Vitae



Personal information

Family name / Given name	**SPĂTARU NICULAE**
Telephone	[redacted]
Fax	[redacted]
E-mail	[redacted]
Nationality	Romanian
Date of birth	[redacted]
Sex	male

Professional experience

Period	*1993-present*
Function or position	Senior researcher (III, II, I)
Main activities and responsibilities	Research in electrochemistry: electrocatalysis, bioelectrochemistry, electrochemistry of diamond
Name and address of working place	Institute of Physical Chemistry of Romanian Academy, Spl. Independentei 202, Bucuresti, Romania
Type of activity	Research

Period	*1988-1993*
Function or position	Research fellow
Main activities and responsibilities	Research in electrochemistry: electroanalysis, electrocatalysis
Name and address of working place	Institute of Physical Chemistry of Romanian Academy, Spl. Independentei 202, Bucuresti, Romania
Type of activity	Research

Period	*1984-1988*
Function or position	Chemist
Main activities and responsibilities	Research in electrochemistry: voltammetry, polarography, stripping analysis
Name and address of working place	Institute of Physical Chemistry of Romanian Academy, Spl. Independentei 202, Bucuresti, Romania
Type of activity	Research

Period	*1986-2001*
Function or position	Associate lecturer
Main activities and responsibilities	Teaching analytical chemistry and basic electrochemistry
Name and address of working place	Department of Analytical Chemistry, Polytechnic Institute from Bucharest, Romania
Type of activity	Teaching

Period	*1982-1984*
Function or position	Chemist
Main activities and responsibilities	Chlorosodic industry
Name and address of working place	Chemical Plant Giurgiu, Romania
Type of activity	Control of equipment

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Education

Period	1989-1993
Qualification / diploma	Doctor in Chemistry (PhD)
Main disciplines studied / professional abilities acquired	Phisical chemistry, electrochemistry of semiconductors
Name of institution	Romanian Academy, Institute of Physical Chemistry
Period	1981 - 1982
Qualification / diploma	Specialization diploma in Physical Chemistry (MSc)
Main disciplines studied / professional abilities acquired	Physical Chemistry
Name of institution	Polytechnic Institute of Bucharest, Faculty of Chemistry
Period	1977-1981
Qualification / diploma	Diploma in Chemistry (Bachelor Degree)
Main disciplines studied / professional abilities acquired	Chemistry
Name of institution	Polytechnic Institute of Bucharest, Faculty of Chemistry

Aptitudes and professional abilities

Research stages at:

Denomination	Visiting professor
Period	06.2014 – 07.2014
Institution name	Universite de Paris-Sud 11, Orsay
Location	FRANCE
Denomination	Visiting professor
Period	05.2011 – 06.2011
Institution name	Universite de Paris-Sud 11, Orsay
Location	FRANCE
Denomination	Visiting scientist (JST fellowship)
Period	09.2007 – 10.2007
Institution name	Kanagawa Academy of Science and Technology (KAST)
Location	JAPAN
Denomination	Visiting scientist (JST fellowship)
Period	09.2006 – 10.2006
Institution name	Kanagawa Academy of Science and Technology (KAST)
Location	JAPAN
Denomination	Visiting scientist (JST fellowship)
Period	10.2005 – 12.2005
Institution name	Kanagawa Academy of Science and Technology (KAST)
Location	JAPAN

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Denomination	Visiting scientist (NEDO fellowship)
Period	01. 2002 – 12. 2003
Institution name	The University of Tokyo, Fujishima's Laboratory
Location	JAPAN
Denomination	Guest researcher
Period	10.1999 – 04.2000
Institution name	The University of Tokyo, Fujishima's Laboratory
Location	JAPAN
Denomination	Visiting scientist (STA fellowship)
Period	10.1997–12.1997
Institution name	Osaka National Research Institute
Location	JAPAN
Denomination	Visiting scientist (JITA fellowship)
Period	10.1994–12.1994
Institution name	Osaka National Research Institute
Location	JAPAN
Denomination	Guest researcher (CEC fellowship)
Period	04.1993–08.1993
Institution name	Centre de Recherche en Electrochimie Minérale et en Génie des Procédés
Location	St. Martin d'Heres, FRANCE
Denomination	Guest researcher (AIST fellowship)
Period	01.1991–03.1991
Institution name	Government Industrial Research Institute, Osaka
Location	JAPAN

Mother tongue: Romanian

Known foreign languages

Autoevaluation	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Experimented user
French	C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Experimented user

(*) Common European Framework of Reference for Languages

Socials abilities and competences: Good relationship with colleagues, researchers from my institute, national and international universities. Good relationship with students I worked with.

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Management competences	- Head of the Laboratory of Electrode Processes an Electrochemical Corrosion, Institute of Physical Chemistry; - Habilitation in Chemistry since 2014 - CNADTCU member (Chemistry Comission) 2016-2020 **Management experience:** - Director of project PN-II-ID-PCE-2011-3-0272 – "Interactional and functional effects of the substrate on the electrochemical behavior of micro and nanostructured metallic and oxidic deposits" - Member of international research projects: - - Electrochemical reduction of carbon dioxide – research project supported by Research Institute of Innovative Technology for the Earth (RITE), Japan – 2002-2003 - - Development of Advanced Nanostructured Materials for Energy Conversion and Storage – Core Research for Evolutional Science & Technology (CREST) Program (supported by JST, Japan) – 2005-2007
Scientific and technical competences	**Publications** - Book Chapter: Anodic voltammetry at conductive diamond electrodes and its analytical applications, in "Diamond Electrochemistry" (A. Fujishima, Y. Einaga, T.N. Rao, D.A. Tryk Editors), Elsevier, Amsterdam 2005, ISBN 0-444-51908-4, p. 287-308.; - Patent: A. Fujishima, D.A. Tryk, N. Spătaru, B.V. Sarada, T.N. Rao, Method for determining concentration of xanthine type compound and sensor for use therein, WO 01/98766 A1 (WO/2001/098766). - over 70 publications in ISI journals Hirsch index = 17 Number of citations 1363 (September 2019) https://www-scopus-com.am.e-nformation.ro/cto2/main.uri?origin=resultslist&stateKey=CTOF_1137716906
PC user competences	PC user for specific programs
Other competences and aptitudes	- "Ilie Murgulescu" prize of the Romanian Academy for the group of works "Study of the electrochemical performances of some semiconductor electrodes in view of solar to chemical direct energy conversion" (1997)
Driving linceses	B
Annexes	Publication list

Bucharest

[redacted]

Dr. Niculae Spătaru

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