



Europass Curriculum Vitae

Personal information

Family name / Given name

Telephone

Fax

E-mail

Nationality

Date of birth

Sex

SPĂTARU NICULAE

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

Education

Period 1989-1993
Qualification / diploma Doctor in Chemistry (PhD)
Main disciplines studied / professional abilities acquired Physical 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

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'Herès, 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
European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Experimented user
C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Experimented user

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/intermediary/11611)

Social abilities and competences

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

Management competences	<ul style="list-style-type: none"> - Head of the Laboratory of Electrode Processes an Electrochemical Corrosion, Institute of Physical Chemistry; - Habilitation in Chemistry since 2014 <p>Management experience:</p> <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 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	<p>Publications</p> <ul style="list-style-type: none"> - 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 80 publications in ISI journals <p>Hirsch index = 17 Number of citations 1409 (September 2022)</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/alldb/citation-report/804d0c15-c524-4561-9aec-7546c2ea36ac-4fe56f62</p>
PC user competences	PC user for specific programs
Other competences and aptitudes	<ul style="list-style-type: none"> - “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
September, 2022

Dr. Nicolae Spătaru