



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Bica Ioan**

Official address(es) Timisoara, Str. Armoniei, 23A, Bl.T3, Sc.3, etj.2, ap.11

Telephone(s) 0256 592203/0741010852

Fax(es)

E-mail ioanbica50@yahoo.com/ioanbica50@gmail.com

Nationality ROMANIAN

Date of birth 1950/05/02

Gender Male

### Work experience

Dates 1974-1979

Occupation or position held Physicist, wood processing enterprise production

Main activities and responsibilities semi-manufacturing of veneer sheets as molded by capacitive heating and use solar energy to dry wood and wood blanks

Name and address of employer Timisoara Processing of Wood Enterprise, Corbului Street, 4, Timisoara

Dates 1979-1989

Occupation or position held researcher in the production and application of electric discharge plasma for industrial purposes

Main activities and responsibilities applied research for generating plasma cutting, welding, riveting and semi-hard and superhard cutting by local plasma heating.

Name and address of employer Institute of Welding and Material Testing Timisoara, Bd. Mihai Viteazu, nr.30, Timisoara.

Type of business or sector Research and Development

Dates 1989-1990

Occupation or position held researcher in the production of nano-microparticles by electric discharge plasma procedures

Main activities and responsibilities Applied research for generating plasma and plasma installation manufacturing for nano-microparticles production.

Name and address of employer	University of Timisoara, Faculty of Physics, Bd. V. Parvan, nr.4. 300223-Timisoara
Type of business or sector	Research
Dates	1990-2020
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching and Research (Courses: Applications of Plasma Physics, Materials for Advanced Technologies, Plasma Physics, Physics and Crystallization technology, Solid State Physics Deformed Field, Applications of High Frequency, Structural Defects in Crystals) and laboratories for courses.
Name and address of employer	University of Timisoara, Faculty of Physics, Bd. V. Parvan, nr.4. 300223-Timisoara
Type of business or sector	education and research activities in the public domain
Dates	1996-2002
Occupation or position held	Associate professor
Main activities and responsibilities	teaching and research (Courses: Applications of Plasma Physics, Materials for Advanced Technologies, Plasma Physics, Physics and Crystallization technology, Solid State Physics Deformed Field, Applications of High Frequency. Structural Defects in Crystals) and laboratories for courses.
Name and address of employer	University of Timisoara, Faculty of Physics, Bd. V. Parvan, nr.4.
Type of business or sector	education and research activities in the public domain
Dates	2002-present
Occupation or position held	Professor
Main activities and responsibilities	Teaching and Research (Courses: Materials in Plasma Physics and Technology; Continuous Media, Fluid Physics; Intelligent Fluid; Elements of Fluids Mechanics; The Plasma of Electric Discharges and the Obtaining of Nano-microparticles by Plasma, Complex Fluids; Generation and Formation Mechanism of Nano-micro particles by Plasma Procedures). Laboratory courses and seminars.
Name and address of employer	University of Timisoara, Faculty of Physics, Bd. V. Parvan, nr.4. Timisoara (RO), 300223-Timisoara
Type of business or sector	education and research activities in the public domain
Dates	1969-1974
Title of qualification awarded	Master in Physics
Principal subjects/occupational skills covered	Solid State Physics, Electronic Physics, Electrical Measurements, Plasma Physics, Quantum Physics, Dielectric Physics /competences obtained: learning to design physical models and functional models to achieve the main areas studied.
Name and type of organisation providing education and training	University of Timisoara, Faculty of Physics, Bd. V. Parvan, nr.4. Timisoara(RO)

Dates	1996-2000															
Title of qualification awarded	Licensed in Law															
Principal subjects/occupational skills covered	Civil Law, Criminal Law, Labor Law, Intellectual Property, Community Law/ Acquired competences: study and interpretation of the legal act, legal enforcement of the national and Community.															
Name and type of organisation providing education and training	West University of Timisoara - Center for Continuing Education and Distance Education opened															
<b>Expertise field</b>	Conceiving, designing and constructing facilities for plasma processing and obtaining materials. Getting smart materials (magnetorheological suspensions, magnetorheological elastomers and their applications in vibration damping and magnetic field transducers and production of sensors).															
2015-present	retired															
Grants and fellowships	Prize " <b>Stefan Procopius' of the Romanian Academy</b> (2008) papers group entitled "Electroconductive Magnetorheological Suspensions"; Professor Emeritus of West University of Timisoara, Faculty of Physics (2019)  Hirsch coefficient:28 (after Scopus Elsevier-2020 May);  Grant nr.27998/2005-2008. Cavitar microparticles: production and plasma mechanisms generation; Contract CEEEX nr.85/2007-2008. Developing knowledge on the development and powder metallurgy manufacturing; Grant nr.3727-4-06/14 With JNR Dubna. Investigation of polymer magnetisable															
Research and education programs	PhD student															
Professional memberships	- Romanian Society of Physics; -Romanian Society of Neutrons.															
Peer review activity	Member of National Council of the Romanian Society of Physics Member of the Commission CNATDU Physics (Ministry of Education and Research)															
<b>Personal skills and competences</b>	developing and coordinating administrative and scientific research projects and technological development, dissemination of scientific results obtained in research.															
Mother tongue(s)	<b>ROMANIAN</b>															
Other language(s)	English															
Self-assessment <i>European level (*)</i>	<table border="1"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th>Writing</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A2</td> <td>A2</td> <td>A3</td> <td>A2</td> </tr> </tbody> </table>	Understanding		Speaking		Writing	Listening	Reading	Spoken interaction	Spoken production		1	A2	A2	A3	A2
Understanding		Speaking		Writing												
Listening	Reading	Spoken interaction	Spoken production													
1	A2	A2	A3	A2												
<b>Language</b>	(*) <a href="#">Common European Framework of Reference for Languages</a>															

Social skills and competences	social skills due to my social actions by supporting charitable organizations, through mentoring and training of young professional
Organisational skills and competences	Social skills and competences: organza forming opinions and research activity and as director of the "Research Center for Intelligent Materials".
Technical skills and competences	Teaching and research experience of over 23 years allowed me to tackle a range of complex didactical and scientific problems related to the design and development research complex.
Computer skills and competences	medium level skills in using PC and related applications (data acquisition, signal processing and numerical and graphical dedicated software)
Other skills and competences	PhD advisor

