



**Curriculum vitae
Europass**



Personal Information

First name(s) / Surname(s)

Aurelia Florea

Professional Address

Department of Applied Mathematics, University of Craiova,
13 A.I. Cuza Street, 200585, Craiova, Dolj, Romania

Phone

E-mail
floreauelia@gmail.com
florea.aurelia@ucv.ro

Work experience

Dates

09/1998 to present

Nationality

Romanian

Date of Birth

12.03.1973

Sex

Female

Occupation or position held

Lecturer

Main activities and
responsibilities

Research and teaching in Department of Applied Mathematics, University of Craiova

Professional Experience	
Period	01/10/2008-prezent
Function or Job	Lecturer PhD in the Department of Applied Mathematics
Name and address Employer	University of Craiova, Department of Applied Mathematics (since 2011) Faculty of Letters (since 2000)
Type of business or sector	Research and Higher Education
Activities and Main Responsibilities	Teaching activities: Mathematical Analysis, Differential Equations, Numerical Methods, Mathematics (PIPP), Research activity (see the first annex) Project Management activities (see the first annex)
Name and address Employer	University of Craiova, Faculty of Letters
Activities and main responsibilities	Assistant Professor PhD from 2006 until 2008
	Assistant Professor PhD. -until 2006 Research activity (see the first annex) Project Management activities (see the first annex)
Name and address Employer	University of Craiova, Faculty of letters
Activity type and field	Superior studies
Period	1/02/2001-16/02/2002
Activities and main responsibilities	PhD. Student
Main activities and responsibilities	Teaching activities: Research Activity (See The First Annex) Project Management Activities (See The First Annex)
	University of Craiova, 13, A.I. Cuza Street, 200585, Craiova, Dolj, Romania
Name and address of employer	
Activities and main responsibilities	
Activity type and field	Superior studies

Education and forming	ISCED 8
Period	Ian 2000-21.12 2006
Qualification / obtained diploma	PhD. in Mathematics Series E No. 0001974, No. 24 from 27.03.2007 Thesis title: Analytic inequalities. Scientific Advisor: Professor PhD Constantin P. Niculescu Analytic And Algebraic Inequalities, Convexity Theory, Dynamic Systems And Evolution Problems, Variation Calculations, Operators Theory, Numerical Analysis, Convexity Analysis
Main disciplines studied / professional competencies achieved	
Level in international classification	
Title of qualification awarded	Master's Degree in Mathematics
Principal subjects/occupational skills covered /Qualification / obtained diploma	Dynamic Systems and Equations. University of Craiova Series E No. 0006081 1.10.1997-1998
Period	
Level in national or international classification	ISCED 6 ISCED 7
Name and type of the educational institution / forming entity	
Period	1999-2003
Qualification / obtained diploma	Series U No. 0038882
Name and type of the educational institution / forming entity	University of Craiova, Faculty of Mathematics and Informatics.
Bachelor's Degree in Informatics	
Level in national or international classification	ISCED 6 ISCED 7
Period	1991-1997
Qualification / obtained diploma	University of Craiova, Faculty of Mathematics and Informatics.
Bachelor's Degree in Mathematics	
Name and type of the educational institution / forming entity	
Level in national or international classification	ISCED 6 ISCED 7
Period	1987-1991
Qualification / obtained diploma	High School Diploma- Mathematics and Physics
Main Disciplines Studied / professional competencies achieved	"Nicolae Bălcescu" National College, Craiova

<p>Name and type of the educational institution / forming entity</p> <p>Experience in Project Management</p>	<p>Period 2001, 2002, 2003</p> <p>Description Member in the research contracts:</p> <p>1. <i>New algebraic and analytic inequalities and their applications.</i> 2002 phase: Interference in variation calculations, Operators theory, equations in mathematical physics and algebraic geometry, in the study of inequalities. Contract 33451/2001 theme 35; Grant CNCSIS A3. Project Director: Professor PhD. Constantin P. Niculescu.</p> <p>2. <i>Dynamic systems and evolutional problems.</i> Contract MEN26044/2001; Grant CNCSIS D4/2001 (financed by loan from the World Bank) Project Director: Professor PhD. Constantin P. Niculescu.</p> <p>3. <i>New algebraic and analytic inequalities and their applications.</i> 2001 phase: Inequalities applied in the theory of convexity, equations in mathematical physics and numerical analysis Contract 35254/2001 theme 9; Grant CNCSIS 143/2001. Project Director: Professor PhD. Constantin P. Niculescu.</p> <p>Project Manager Diploma Project Manager (Graduation certificate)– recognized by the Ministry of Education, Project Manager Certificate Registered In the National Registry of forming suppliers with the NO. 25/701022011. Release Date: 22.12.2011 no. 177.</p>
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Research scholarship	
Period	2014-2019
Name and type of the educational institution	14-20 Septembrie 2014 Université Catholique de Louvain- Belgium Staff Mobility for Training – ERASMUS+
	14-19 Septembrie 2015- Belgium Université Catholique de Louvain- Staff Mobility for Training – ERASMUS+
	19-24 Septembrie 2016- Belgium Université Catholique de Louvain- Staff Mobility for Training – ERASMUS+
	18-23 Septembrie 2017,2018,2019 - Belgium Université Catholique de Louvain- Staff Mobility for Training – ERASMUS+
Period	08.08. 2013-11.08. 2013
Name and type of the educational institution	2013: Post – graduate course in „Didactics of Mathematics”. A POSDRU 2007-2013 funded project, entitled: „Quality, progress and communication in continuous formation system for university teachers
Period	26.11. 2001-02.12.2001
Name and type of the educational institution	University of Bucharest, Forming stage designed for university teachers, lead by specialists from the U.S. and Romania, concerning the modern aspects of teachers preparation, in the <i>Reform Project for the Pre-University Teaching</i> .

Name and type of the educational institution	<p>11.02.2013-17.02.2013</p> <p>University of Bucharest, Forming stage in Sinaia, from the Project co-financed from the European Social Fund through the POSDRU (Operational Sectorial Human Resources Development Program) 2007-2013, Quality, innovation, communication in the continuous forming system for high-education teachers. Contract code: POSDRU/87/1.3/S/63709</p>																					
Native Language(s)	Romanian Language																					
Foreign Languages																						
Self-evaluation																						
European Levels (*)																						
English	<table border="1" data-bbox="574 642 1597 895"> <thead> <tr> <th colspan="2" data-bbox="682 642 883 678">Understanding</th> <th colspan="2" data-bbox="981 642 1254 678">Speaking</th> <th colspan="2" data-bbox="1422 642 1536 678">Writing</th> </tr> <tr> <th data-bbox="682 688 764 724">Listening</th> <th data-bbox="772 688 927 724">Reading</th> <th data-bbox="981 688 1136 724">Conversation</th> <th data-bbox="1144 688 1340 724">Oral speech</th> <th data-bbox="1422 688 1536 724">Writing</th> </tr> </thead> <tbody> <tr> <td data-bbox="682 735 764 805">B 2 Independent User</td> <td data-bbox="772 735 927 805">B 2 Independent User</td> <td data-bbox="981 735 1136 805">B 2 Independent User</td> <td data-bbox="1144 735 1340 805">B 2 Independent User</td> <td data-bbox="1422 735 1597 805">B 2 Independent User</td> </tr> <tr> <td data-bbox="682 815 764 895">B 2 Independent User</td> <td data-bbox="772 815 927 895">B 2 Independent User</td> <td data-bbox="981 815 1136 895">A 2 Basic User</td> <td data-bbox="1144 815 1340 895">A 2 Basic User</td> <td data-bbox="1422 815 1597 895">A 2 Basic User</td> </tr> </tbody> </table>	Understanding		Speaking		Writing		Listening	Reading	Conversation	Oral speech	Writing	B 2 Independent User	A 2 Basic User	A 2 Basic User	A 2 Basic User						
Understanding		Speaking		Writing																		
Listening	Reading	Conversation	Oral speech	Writing																		
B 2 Independent User	B 2 Independent User	B 2 Independent User	B 2 Independent User	B 2 Independent User																		
B 2 Independent User	B 2 Independent User	A 2 Basic User	A 2 Basic User	A 2 Basic User																		
(*) Common European Teachers Level Reference for Foreign Languages.																						
Competencies and Social abilities	Team Spirit, Communication abilities																					
Competencies and organizational skills	Managerial aptitudes, competencies in human handling, good team organizing skills, good experience from participating in many specialized international projects.																					
Competencies and technical aptitudes	The ability to apply Informational Technologies, Microsoft Word™, MatLab, Maple, C++, Scientific WorkPlace, Latex.																					
Driver's License.	B category driver's license.																					
Annexes	Annex 1 includes the list of publications, participations in national and international scientific manifestations.																					

A. ARTICLES AND STUDIES PUBLISHED

- **Analysis of a Class of Kolmogorov Systems, Nonlinear Analysis: Real World Applications, G.Tigan, C.Lazureanu, F.Munteanu, C.Sterbeti, A. Florea, vol. 57, February 2021, 103202.**
- **Methods for Predicting the Future Evolution of GHG Emissions by Domains,** Contemporary Issues in Social Science, ISBN: 978-1-80043-931-3, eISBN: 978-1-80043-930-6, Publication date: 25 May 2021
- **A Mathematical Model of Infectious Disease Transmission,** with Cristian Lăzureanu, TM Web Conf. Volume 34, 2020, International Conference on Applied Mathematics and Numerical Methods – third edition (ICAMNM 2020) Article Number 02002, Number of page(s) 8, Section- Applied Mathematics and Numerical Methods, DOI <https://doi.org/10.1051/itmconf/20203402002>, Published online 03 December 2020
- **Bifurcation Diagrams in a class of Kolmogorov Systems,** Nonlinear Analysis: Real World Applications, G.Tigan, C.Lazureanu, F.Munteanu, C.Sterbeti, A. Florea, 2020 Volume 56, December 2020, 103154.
- **The Perspective of Cluster Ranking Analysis in the Development of Food Safety Measures,** Article in Amfiteatrul Economic Volume: 21 (No. 51/2019): Page 294 - 312 • April 2019, DOI: 10.24818/EA/2019/51/313, Aurelia Florea, Catalina Sitnikov, ot.
- **Bounds And Estimates On Convex Inequalities,** *Journal of Inequalities and Special Functions* ISSN: 2217-4303, URL: www.ilirias.com/jiasf Pages 1-9. (Minculete and Shigeru Furuichi), Volume 8 Issue 4 (2017),
- **Convex Ordering Properties and Applications,** *Journal of Mathematical Inequalities*, Zagreb, Croatia, (Bala and Paltanea), Impact Factor: 0.704 pg. 1245–1257, No 4, Vol 9, 2015, A. Florea.
- **Properties of Integrable Punctual Convex Functions** Annals of the University of Craiova, Mathematics and Computer Science Series Pages 278–282 ISSN: 1223-6934 Volume 44(2), 2017, A. Florea.,

- **On a Class of Punctual Convex Functions**, Mathematical Inequalities and Applications, Zagreb, Croația, volumul 17 (2014), ISSUE 2. (E. Păltănea), ISSN: 1331-4343 (print), 1848-9966 JCR Impact Factor : 0.588.
- **On The Integrated Version of Karamata's Inequality**, Gazeta Matematica Seria B, no. 11, 2014, Bucharest, A. Florea, E Paltanea..
- **Some Hermite-Hadamard Inequalities for Convex Functions On The Co-Ordinates**, General Mathematics Vol. 22, No.1 (2014), 43-47, 2014.
- **On a Result by Niculescu and Spiridon**, Annals of the University of Craiova, Mathematics and Computer Science Series, Volume 39 (1), 2012, Pages 97-99, ISSN: 1223-6934.
- **Some Extension of Optimal Hardy's Inequality Using Estimates of p-Laplacian**, *Journal of Computational Analysis and Application*, Eudoxus Press, LLC, SUA, ISSN 1521-1398, Volume 12, Number 3, pp. 586-593, 2011 (Ionel Roventa).
- **A Hermite-Hadamard Inequality for Convex-Concave Symmetric Functions**, *Bulletin Mathématique de la Société Mathématiques de Roumanie*, Tome 50 (98) 2007, no. 2, page. 149-156, ISSN 1220-3874. (Constantin P. Niculescu).
- **A Note on Ostrowski's Inequality**, *Journal of Inequality and Applications*, Vol. nr. 5, page. 459-468, 2005, Constantin P. Niculescu.
- **On the Ky Fan Inequality**, In *Research Report Collection of RGMIA*, (<http://rgmia.vu.edu.au>), vol. 5 (2002), no. 4, pp. 234-244, Melbourne Australia, (Constantin P. Niculescu).
- **The Inequality of Bergström**, *Mathematics gazette, magazine of mathematical culture Series B*, CVII, nr. 11, pp. 434-436, Constantin P. Niculescu.
- **A note on the Ky Fan Inequality**, Annals of the University of Craiova, *Mathematics-Informatics Series* XXIX (2002), pp. 47-51, with University Professor PhD. Constantin P. Niculescu).
- **Extensions of the Hermite-Hadamard Inequality**”, Mathematical Creativity Seminary Papers, Baia Mare, vol. 10 (2001), 97-106, in collaboration with University Professor PhD. Constantin P. Niculescu).

B. ARTICLES AND STUDIES PUBLISHED

- A brief look at Sprott-type dynamical systems, Project: Dynamics-Horizon2020-RISE-777911-Waterloo 2022, Canada
- Mathematical modeling of phenomena by dynamical systems, Proceedings of International Conference, Comparability, Identity, Context, Universitaria Print House, Craiova, 2019
- „Paradigms in mathematics”, in Proceedings of International Conference, Comparability, Identity, Context, Universitaria Publishing, Craiova, 2013, ISBN 978-606-14-0709-5, pp.101-110 (E Păltănea).
- „Designing a web site as a strategic tool for research in statistical theory” in Proceedings of International Conference, Comparability, Identity, Context, Universitaria Publishing, Craiova, 2012, ISBN: 978-606-14-0480-3, 379-391 (E. Păltănea).
- „Applications of Artificial Intelligence in Natural Language Processing”, in Proceedings of International Comparability, Identity, Context, Universitaria Publishing, Craiova 2017.
- *Online Mathematic Education Versus Traditional Education*, in Proceedings of International Comparability, Identity, Context, Universitaria Publishing, Craiova 2014.
- “Didactic and Pedagogic processes regarding the usage of active methods in teaching mathematical analysis” in the National Conference Volume for Teaching, Alba Iulia, 05.08.2013-08.08.2013, “1st of December 1918” University, 2013.
- “Elements of Geometry developed by mathematicians in Ancient Greece” in the volume “Classic antiques and us” edited by the Society for classical studies in Romania, Craiova, page 194-201, Universitaria Publishing, Craiova, ISBN 978-606-14-0189-5, 2011.
- “The opportunities offered by the development of information technology through virtual communities”, Volumul *Comunicare, Identitate, Context*, Editura Universitaria, Craiova, 2009, pag., 50-58.
- “Short history of the numbers” in the Annals of the University of Craiova, Series of Philological Sciences, Classical Languages and Literatures page 55-64, Universitaria Publishing, ISSN 1841-1258, Year VI, No. 1-2, Craiova, 2009.

C. PARTICIPATION IN NATIONAL AND INTERNATIONAL CONFERENCES

- *A Mathematical Model of Infectious Disease Transmission, ICAMNM International Conference, Department of Applied Mathematics, University of Craiova, 29-31 October 2020, Aurelia Florea, Cristian Lăzureanu, <http://cis01.central.ucv.ro/ICAMNM/?Programme>.*
- *A SARS COV 2 transmissibility simulation model, Communication at the International Conference Comparability, Identity, Communication, Craiova, October, 16th-17th , 2020, joint work with Andrei Florea.*
- *A mathematical model for simulation transmissibility of SARS COV 2 coronavirus, Dynamics H2020-MSCA-RISE-2017 – 777911,WORKSHOP 5, August 26, 2020, Wiener Neustadt (ACMIT), Austria 2020, Dynamics Horizon 2020*
- *A Brief Introduction To System Dynamics Modelling Of Covid 19 Epidemic ACMIT 22 July, 2020 Dynamics Horizon 2020*
- *On degenerate double.Hopf bifurcation, 20 august, Wiener, Austria, 2019.*

- *Applications of Optimal Control to Dynamical Systems, seminar at the Uludag University, Turkey, 30 Aprilie 2019.*
- *Convex Ordering Properties and Applications, talk at the workshop organized at the Department of Mathematics and Statistics, University of North Carolina, Charlotte, in September 12th, 2018.*
- *Jan Ohlin's Theorem-an Alternative to the Theory of Maximization, ICAMNM International Conference, Department of Applied Mathematics, University of Craiova, 19-20 Octomber 2018, <http://cis01.central.ucv.ro/ICAMNM/>*
- *Mathematical modeling of phenomena by dynamical systems, International Conference, Comparativism, Identitate, Context, University of Craiova, CIC 2018.,*
- *14-15 oct 2016, Applications of Artificial Intelligence in Natural Language Processing, CIC 2016, International Conference, Comparativism, Identitate, Context, University of Craiova, Faculty of Letters*
- *14-16 oct 2015, Number of Gold and its applications, CIC 2015, International Conference, Comparativism, Identitate, Context, University of Craiova, Faculty of Letters.*
- *Convex ordering properties and applications, Mathematical Inequalities and Applications 2014, One thousand papers conference, Trogir, Croatia, June 22 - 26, 2014. <http://2014.mia-journal.com/index.html>*
- *Generalizations of Fink's Inequality, The twelfth conference on nonlinear analysis and applied mathematics, Târgoviște, June, 13-14, 2014.*
- *Some extensions of Fink's inequality, The 11th Romanian-German Seminar on Approximation Theory and its Applications, Sibiu 29 May-1 June, 2014, <http://conferences.ulbsibiu.ro/roger2014/participations.html>.*
- *25-26 April 2014) (Inequalities based on the convex ordering of the random variables, The 17th Conference of the Society for Probability and Statistics in Romania <http://www.csm.ro/spsr/manifestari.php?id=15>*
- *Mathematic Education through Thematic Sites, National Conference on Mathematics Education, CNEM 2-3 November, Bucharest, 2013. http://ssmr.ro/activitati/conferinte/conferinta_educatie_comunicari*
- *Online Education Versus Traditional Education, communication at the VIth edition of the International Conference Comparability, Identity, Communication, Craiova, October, 18th-19th. 2013. http://cis01.central.ucv.ro/litere/activitate-stiintifica/cic_2013.pdf*
- *“Didactic and Pedagogic processes regarding the usage of active methods in teaching mathematical analysis” in the National Conference, Alba Iulia, 05.08.2013-08.08.2013, “1st of December 1918” University. <https://sites.google.com/site/posdrudidactica/home/anunturi>*
- *Paradigms in mathematics, communication at the 5th edition of the International Conference Comparability, Identity, Communication, Craiova, October, 18th-19th http://cis01.central.ucv.ro/litere/activitate-stiintifica/cic_2013.pdf*
- *Some convex ordering properties, The 11th Conference on Nonlinear Analysis and Applied Mathematics, Târgoviște, June, 21-22, 2013.

 - *Extensions of Hardy's inequality, Annual conference of S.S.M.R., Ploiesti, 19-21 October 2012, <http://www.ssmprahova.ro/confmath.html>*
 - *About a class of integral inequalities, International Symposium, Suceava, 2012,*
 - *A new approach on integral inequations, sustained communications at the 15th Annual Conference of the Mathematical scientific society in Romania, 29.09-02.10. 2011, Hunedoara, Romania, <https://sites.google.com/site/ssmrhd/programul-conferintei>**

- *On shock models in reliability*, the 15th Conference of the Probability and Statistics Society in Romania (27-28 April 2012) http://www.csm.ro/spsr/program/program_conf15_spsr_2012.pdf
- *Creating a website – strategic instrument for researching the theory of statistics*, communication at the 4th edition of the International Conference Comparability, Identity, Communication, Craiova, 21-22.10.2011, http://cis01.central.ucv.ro/litere/activitate-stiintifica/cic_2011.pdf
- *Creating a student magazine in the online environment*, communication at the 3rd edition of the International Colloquium, *Communication, Identity, Context, Saturday, October 23rd 2010, Craiova, Romania*.
- Classical Inequalities approaches. Methods and techniques. Cavnic, Maramures, 22 may, 2010, www.math.ubbcluj.ro/~didactica/2010-26-Cavnic.doc
- *Audio-Visual Communication and Artificial Intelligence, communication at the 2nd edition of the International Colloquium Communication, Identity, Context*, November 6-7, 2009, Craiova, Romania.
- *The relation between two inequalities*, the 25th National Didactic Conference of Mathematics, Turda, 23 May 2009.
- *The opportunities offered by the development of information technology through virtual communities*, in the International Colloquium *Communication, Identity, Context*, November 7-8, 2008, Craiova, Romania.
- *Methods of achieving integral inequalities*, communication at the 12th Annual Conference of the Mathematical Science Society of Romania. Bacău, 17-19 October, 2008.
- *Academician Nicolae Teodorescu Centenary*, communication in the International Colloquium “Reception of the Greek-Latin Antiquity in the European cultures”, Craiova 21-22 November, 2008.
- *The Mathematical Universe of the human civilization*, communication in the International Colloquium “Reception of the Greek-Latin Antiquity in the European cultures”, Craiova 23-24 November, 2007.
- *Means of Communication – The Internet*, communication in the Scientific Session on the theme “Language, Culture and Civilization” in the Department of Applied Foreign Languages Craiova, 27 February 2007.
- *A Description of Numbers*, communication in the International Colloquium “Reception of the Greek-Latin Antiquity in the European cultures”, Craiova 23-24 November, 2007..
- *Methods of Active Learning. A New Approach to Integral Inequalities*, the 11th Annual Conference of the Mathematical Sciences Society in Romania, Bucharest 26-27 June 2007
- *On weighted Hermite-Hadamard inequality*, the 11th Annual Conference of the Mathematical Sciences Society in Romania, Bucharest 26-27 June 2007
- *A Hermite-Hadamard inequality for convex-concave symmetric functions*, the 6-th Congress of Romanian Mathematicians, June 28-July 4, 2007, Bucharest, Romania.
- Some properties of convex functions, communication in the Didactic Seminary "Seminarier i matematik", Karlstad Universitet, Sweden, 2002
- *Estimation of the Ostrowski Inequality*, communication at the 6th National Conference of Mathematical Analysis and Applications, Cluj-Napoca, 8-9 November 2002.
- *Extensions of the Hermite-Hadamard inequality*, communication at the 18th Colloquium on Topological Ordered Linear Spaces, House of Scientists, Bucharest, 26-28 September 2001.
- *Integral Inequalities*, Communication at *Inequalities 2001*, Timișoara, 9-14 iulie.

D. Experience in project management and scientific research contracts.

Participation in scientific research contracts:

1. Horizon 2020-2017-RISE-777911 Project. Director: Dr. **G. Tigan, D. Constantinescu.**

2018-2022

1. Grant no. 19C / 2014, DIFFERENTIAL EQUATIONS: QUALITATIVE STUDY, EFFICIENT NUMERICAL PROCESSING AND APPLICATIONS, awarded in the internal grant competition of the University of Craiova, grant director Assoc.. Dr. Cristian Vladimirescu.
2. Grant number 3C / 2014, QUANTITATIVE AND QUALITATIVE METHODS USED IN THE STUDY OF TOURISM ACTIVITIES IN MEHEDINȚI COUNTY AND POSSIBILITIES TO OPTIMIZE THEM, granted in the internal grant competition of the University of Craiova, director of grant: Lect. univ. Dr. Dumitru Bala.

2002

1. *New analytical and algebraic inequations and their applications.*

Phase on 2002: Interference in Variation Calculations, Theory of Operators, Physical Mathematics Equations and Algebraic Geometry, Contoured in the Study of Inequalities.

Contract no. 33451/2001 theme 35; Grant CNCSIS A3.

Project Director: Professor PhD. Constantin P. Niculescu.

2001

1. *Dynamic systems and evolution problems*

Contract MEN26044/2001; Grant CNCSIS D4/2001 (financed with a loan from the World Bank)

Project Director: Professor PhD. Constantin P. Niculescu

2. *New analytical and algebraic inequalities and their applications*

Phase on 2001: Inequalities applied to the physical mathematics convexity theory and numerical analysis.

Contract 35254/2001 theme 9; Grant CNCSIS 143/2001.

Director: Professor PhD. Constantin P. Niculescu

E. Affiliation to scientific and professional societies

1. The Society of Mathematical Sciences in Romania, since 2000.
2. Research Group on Mathematical Inequalities and Applications (Melbourne, Australia), din 2001.
3. American Mathematics Society -AMS.
4. Member in the Organizing Committee for the International Conference *Communication, Identity, Context*, since 2008.

G. Scholarships and forming stages

28.03.2002-31.05.2002 – University of Karlstad, Sweden, with prof. Alexander Bobylev and prof. Sorina Barza. Specialized in the field of analytical inequalities with the Grant Scholarship for Research:

New analytical and algebraic inequalities and their applications

Phase on 2002: Interference in variation calculations, Operators theory, equations in mathematical physics and algebraic geometry, contoured in the study of inequalities.

Contract 33451/2001 theme 35; Grant CNCSIS A3.

Project Director: University Professor PhD. Constantin P. Niculescu.

26.11. 2001-02.12.2001, University of Bucharest, Forming stage designed for university teachers, lead by specialists from the U.S. and Romania, concerning the modern aspects of teachers preparation, in the *Reform Project for the Pre-University Teaching*.

Project Manager

(Graduation certificate)– recognized by the Ministry of Education, Research and Innovation and the Ministry of Labor, Family Social Services.

Project Manager Certificate Registered In the National Registry of forming suppliers with the NO. 25/701022011. Release Date: 22.12.2011 no. 177.

11.02. 2013-17 .02. 2013

University of Bucharest, Forming stage in Sinaia, from the Project co-financed from the European Social Fund through the POSDRU (Operational Sectorial Human Resources Development Program) 2007-2013, Quality, innovation, communication in the continuous forming system for high-education teachers. Contract code: POSDRU/87/1.3/S/63709

08.08. 2013-11.08. 2013

“1st of December 1918” University in Alba Iulia, Summer Academy, Project co-financed from the European Social Fund through the POSDRU (Operational Sectorial Human Resources Development Program) 2007-2013, Quality, innovation, communication in the continuous forming system for high-education teachers. Contract code: POSDRU/87/1.3/S/63709

Erasmus mobilities and within other Projects

14-20 September 2014

Université Catholique de Louvain- Staff Mobility for Training – ERASMUS+

14-19 September 2015

Université Catholique de Louvain- Staff Mobility for Training – ERASMUS+

19-24 September 2016

Université Catholique de Louvain- Staff Mobility for Training – ERASMUS+

18-23 September 2017 – Belgium,

Université Catholique de Louvain- Staff Mobility for Training – ERASMUS+

September, 2018 – Belgium,

Université Catholique de Louvain- Staff Mobility for Training – ERASMUS+

20-27 Octomber, 2019 – Belgium,

Université Catholique de Louvain- Staff Mobility for Training – ERASMUS+

18-29, April, 2019 Uludag University, Bursa, Turkey, Staff Mobility for Teaching – ERASMUS+

Project -Horizon 2020-2017-RISE-777911

- Mobility within the Project -Horizon 2020-2017-RISE-777911 Project Director: Dr. **G. Tigan, -Timișoara D. Constantinescu.-Craiova, University of North Carolina, Charlotte, USA-2018.**
- Mobility within the Project -Horizon 2020-2017-RISE-777911 Project Director: Dr. **G. Tigan, -Timișoara D. Constantinescu.-Craiova, Wiener, Austria, 2019**
- Mobility within the Project -Horizon 2020-2017-RISE-777911 Project Director: Dr. **G. Tigan, -Timișoara D. Constantinescu.-Craiova Wiener, Austria, 2020**
- Mobility within the Project -Horizon 2020-2017-RISE-777911 Project Director: Dr. **G. Tigan, -Timișoara D. Constantinescu.-Craiova, 1-31 august 2021, la Institutul ACMIT GmbH, orașul Wiener Neustadt, Austria Wiener, Austria, 2021 31.07.2021--31.08.2021**
- Mobility within the Project -Horizon 2020-2017-RISE-777911 Project Director: Dr. **G. Tigan, -Timișoara D. Constantinescu.-Craiova, Waterloo, Canada, 2022.**
- Mobilitate Erasmus 2025, ST. CYRIL AND ST. METHODIUS UNIVERSITY OF VELIKO TURNOVO, from [12/May/2025] till [17/May/2025], Staff Mobility For Trening.