

CURRICULUM VITAE

Maria MĂLIN

Data nașterii: 07.05.1989

Naționalitatea: Română

Adresa: Departamentul de Matematica, Facultatea de Stiinte, Universitatea din Craiova, Str. A. I. Cuza, Nr. 13, Craiova 200585, România

E-mail: malinmaria@yahoo.com

Experiență profesională

- **Octombrie 2017 - prezent:** Asistent Universitar la Universitatea din Craiova.
Seminarii predate: Analiza matematica I, Analiza matematica II, Ecuatii diferential II, Ecuatii cu derivate partiale, Analiza functionala, Calcul stiintific, Cercetari operationale
- **Septembrie 2015 - Iunie 2017:** Asistent Universitar Doctorand la City University of Hong Kong, Hong Kong.
Seminarii predate:
MA8006: Functional Analysis and Applications, Sem. A (titularul cursului: Professor Philippe G. Ciarlet);
MA8005: Advanced Partial Differential Equations, Sem. B (titularul cursului: Professor Philippe G. Ciarlet).
MA1200: Calculus and Basic Linear Algebra, Sem. A (titularii cursului: Dr. Qiu Weifeng, Dr. Liu Kam Moon);
MA3001: Differential Equations, Sem. B (titularii cursului: Dr. Zhuang Xiaosheng, Dr. Xiang Wei, Dr. Luo Guo).
- **1 Octombrie 2015 - 31 Septembrie 2017:** Asistent de cercetare în proiectul *Controlabilitate și probleme de optimizare* (CNCS-UEFISCDI, PN-II-RU-TE-2014-4-1109), director proiect: Conf. univ. dr. Ionel Rovența.

Distincții, premii

- Bursă Doctorală la Universitatea din Craiova pe durata studiilor doctorale, 1 Octombrie 2013 - 30 Septembrie 2016.
- Hong Kong Ph.D. Fellowship la City University of Hong Kong, Hong Kong, 1 Septembrie 2014 - 31 August 2017.
- Chow Yei Ching School of Graduate Studies Entrance Scholarship la City University of Hong Kong, Hong Kong, 1 Septembrie 2014 - 31 August 2015.

Educație și formare

- **22 Mai 2017: Doctorat în Matematică** la City University of Hong Kong, Hong Kong.
Titlul tezei: *Some new results about J.L. Lions lemma and Korn's inequalities on surfaces.*
Coordonator științific: Univ. Distinguished Professor Philippe G. Ciarlet.
Membrii comisiei: Prof. Tong Yang (City University of Hong Kong), Prof. Jonathan Wylie (City University of Hong Kong), Prof. Li Kaitai (Xi'an Jiaotong University, Xi'an).
- **22 Decembrie 2016: Doctorat în Matematică** la Universitatea din Craiova, Craiova.
Titlul tezei: *Qualitative analysis of some continuous and discrete models.*
Coordonator științific: Prof. univ. dr. Vicențiu Rădulescu.
Membrii comisiei: Prof. univ. dr. Lucian Beznea (Institutul de matematică Simion Stoilow al Academiei Române, București), Professor Giovanni Molica Bisci (Universita degli Studi *Mediterranea* di Reggio Calabria), Prof. univ. dr. Sorin Micu (Universitatea din Craiova), președinte comisie: Conf. univ. dr. Gabriela-Eugenia Iacobescu (Universitatea din Craiova)
- **Iulie 2013: Diplomă de Master, Matematici aplicate**, la Universitatea din Craiova, Facultatea de Științe Exacte, România.
Lucrare de Disertație: *Mountain-Pass Theory.*
Coordonator științific: Prof. univ. dr. Vicențiu Rădulescu
- **Iulie 2011: Diplomă de Licență, Matematică**, la Universitatea din Craiova, Facultatea de Matematică și Informatică, România.
Lucrare de Licență: *Fixed Point Theory.*
Coordonator științific: Conf. univ. dr. Ionel Rovența
- **Iulie 2008: Diplomă de Bacalaureat**, profil real, specializarea Matematică-Informatică, Liceul teoretic *Traian Lalescu*, Reșița, județul Caraș-Severin.

Publicații

- **Malin Maria, Mardare Cristinel**, Nonlinear Korn inequalities on a hypersurface. *Chin. Ann. Math. Ser. B* 39 (2018), no. 3, 513–534.
- **P. G. Ciarlet, M. Malin, C. Mardare**, *New estimates of the distance between two surfaces in terms of the distance between their fundamental forms*, *Analysis and Applications* (2018), <https://doi.org/10.1142/S0219530518500136>.
- **P. G. Ciarlet, M. Malin, C. Mardare**, *On a vector version of a fundamental lemma of J.L. Lions*, *Chinese Annals of Mathematics, Series B*, (2018), no. 1, 33–46.

- **M. Malin, C. Mardare**, Nonlinear estimates for hypersurfaces in terms of their fundamental forms, *C. R. Acad. Sci. Paris, Ser. I*, 355 (2017), pp. 1196-1200.
- **P. G. Ciarlet, M. Malin, C. Mardare**, *New nonlinear estimates for surfaces in terms of their fundamental forms*, *C. R. Acad. Sci. Paris, Ser. I*, 355 (2017), pp. 226-231.
- **M. Malin, V. Rădulescu**, *Infinitely many solutions for a nonlinear difference equation with oscillatory nonlinearity*, *Ricerche di Matematica*, Springer (2016), 65:193-208, DOI 10.1007/s11587-016-0260-5.
- **M. Malin, C. Udrea**, *Degenerate nonlinear elliptic equations with lack of compactness*, *Chinese Annals of Mathematics, Series B*, January 2016, Volume 37, Issue 1, pp 53-72.
- **M. Malin**, *Multiple solutions for a class of oscillatory discrete problems*, *Advances in Nonlinear Analysis*, Vol. 4, Issue 3, pp. 221-233, DOI:10.1515/anona-2015-0027, April 2015.
- **M. Malin, I. Roventă**, *Some Remarks on Convex Network Flows for K-Spiders*, *Mathematical Problems in Engineering*, Vol. 2015, Article ID 710516, 6 pages, <http://dx.doi.org/10.1155/2015/710516>, ISSN: 1024-123X.
- **M. Malin**, *The Emden-Fowler problem for discrete operators with variable exponent*, *Electronic Journal of Differential Equations*, Vol. 2014 (2014), No. 55, pp. 1-13.
- **M. Malin**, *Discrete Emden-Fowler problems driven by nonhomogeneous differential operators*, *Annals of the University of Craiova, Mathematics and Computer Science Series*, Vol. 41(1), 2014, Pages 59-68, ISSN: 1223-6934.

Am fost reviewer pentru unele articole trimise spre publicare la revistele *Advances in Nonlinear Analysis*, *Boundary Value Problems*, *Acta Mathematicae Applicatae Sinica*.

Participări la conferințe, workshopuri și școli de vară

- *Université Clermont Auvergne, Laboratoire de Mathématiques Blaise Pascal*, Clermont-Ferrand, France, February 2018, talk: Nonlinear inequalities in differential geometry.
- *Xi'an University of Technology*, Xi'an, China, November 2017, talk: Inequalities of Korn's type on a surface and applications to shell theory.
- *23 rd International Conference on Difference Equations and Applications*, July 24 - July 28, 2017, Timisoara, Romania; contributed talk: New nonlinear estimates for surfaces in terms of their fundamental forms.

- *Xi'an Jiaotong University*, Xi'an, China, November 2017, talk: Nonlinear Korn inequalities on a surface and shell theory.
- *XIII-ème Colloque Franco-Roumain de Mathématiques Appliquées*, 25-29 Aug. 2016, Iasi, Romania; contributed talk: Nonlinear Korn inequalities on a surface: some new results.
- *International Conference on Applied Mathematics*, 30 May- 2 June 2016, City University of Hong Kong, Hong Kong, participant.
- *9th European Conference on Elliptic and Parabolic Problems*, 23 May 2016- 27 Mai 2016, Gaeta, Italy; contributed talk: Some new nonlinear Korn inequalities on a surface.
- *International Conference on Nonlinear Operators, Differential equations and Applications*, 14 July 2015-17 July 2015, Cluj-Napoca, Romania; contributed talk: On a matrix version of a lemma of Jacques- Louis Lions.
- 8th Workshop on *Control of Distributed Parameter Systems*, July 1st-5th, 2013, University of Craiova, Craiova, Romania- organizing committee.
- International Summer School of Mathematics, *Analytical and Computer Assisted Methods in Mathematical Models*, September 1st-15th, 2013, University of Debrecen, Debrecen, organised under the ERASMUS Lifelong Learning Programme.

Participări la cursuri si seminarii științifice

- Insitute for Advanced Study Distinguished Lecture, *Interfaces, junctions and stratification* by Professor Pierre-Louis Lions, 2 March 2017, City University of Hong Kong, Hong Kong.
- Seminar on Analysis: *Kirchhoff Fractional Elliptic Problems with Lack of Compactness*, by Professor Patrizia Pucci, 1 Feb 2016, City University of Hong Kong, Hong Kong.
- France-Hong Kong Distinguished Lecture Series, *On Particles, Stars and Eternity: from the Stability of the Solar System to Plasma Physics*, by Professor Cedric Villani, 13 April 2016, City University of Hong Kong, Hong Kong.
- Seminar on Analysis: *On a Lemma of Jacques-Louis Lions*, by Professor Philippe G. Ciarlet, 5 Oct 2015, City University of Hong Kong, Hong Kong.
- France-Hong Kong Distinguished Lecture Series, *On Mean Field Games*, by Professor Pierre-Louis Lions, 10 Nov 2014, City University of Hong Kong, Hong Kong.

- *Postgraduate Research Series IV: Advanced Continuum Mechanics*, by Professor Jean Salençon, Semester B 2015/16, City University of Hong Kong, Hong Kong.
- *Postgraduate Research Series III: Continuum Mechanics*, by Professor Jean Salençon, Semester A 2014/15, City University of Hong Kong, Hong Kong.
- *Functional Analysis and Applications*, by Professor Philippe G. Ciarlet, Semester A 2014/15, City University of Hong Kong, Hong Kong.
- *Advanced Partial Differential Equations*, by Professor Philippe G. Ciarlet, Semester B 2014/15, City University of Hong Kong, Hong Kong;

Data
08.08.2018

Semnatura,