

## Selection:

### Selected results

2014

#### Articles

- 1) Ramzi Alsaedi, Nicolae Constantinescu, Vicentiu Radulescu, Nonlinearities in Elliptic Curve Authentication, 16(9), 5144-5158, .2014, doi:10.3390/e16095144

#### Publications in Refereed Conference Proceedings

- 1) P. Pucci, Vicentiu Radulescu and H. Weinberger, in *Selected Papers of James Serrin*, 2 volumes, 1718 pages, Contemporary Mathematicians, Birkhäuser, Basel, 2014.
- 2) Vicentiu Radulescu and T.-L. Radulescu, A 21st century mathematical renaissance, in *I, Mathematician* Mathematical Association of America, (P. Casazza, S. Krantz, Eds.), 2014

#### Conferences:

- 3) Nicolae Constantinescu, Mihaela Colhon, Defining hidden syntactical patterns for an encryption/decryption system, X Edition of ConsILR, Craiova 2014

2015

#### Articles

1. N. Papageorgiou, Vicentiu Radulescu, Bifurcation analysis for nonhomogeneous Robin problems with competing nonlinearities, *Applied Mathematics Letters* 48 (2015), 69-74 (2014 ISI Impact Factor: 1.337)
2. N. Papageorgiou, Vicentiu Radulescu, Multiple solutions for asymptotically linear elliptic equations with sign changing weight, *Kyoto Journal of Mathematics* 55 (2015), 593-606 (2014 ISI Impact Factor: 0.796)
3. N. Papageorgiou, Vicentiu Radulescu, Nonlinear parametric Robin problems with combined nonlinearities, *Advanced Nonlinear Studies* 15 (2015), 715-748 (2014 ISI Impact Factor: 0.918)
4. G. Molica Bisci, Vicentiu Radulescu, Bifurcation analysis of a singular elliptic problem modelling the equilibrium of anisotropic continuous media, *Topological Methods in Nonlinear Analysis* 45 (2015), 493-508 (2014 ISI Impact Factor: 0.477)
5. Y. Fu, Vicentiu Radulescu, B. Zhang, Hodge decomposition of variable exponent spaces of Clifford-valued functions and applications to Dirac and Stokes equations, *Computers and Mathematics with Applications* 70 (2015), 691-704 (2014 ISI Impact Factor: 1.697)
6. O.A.Ticleanu, Endomorphisms on elliptic curves for optimal subspaces and applications to differential equations and nonlinear cryptography, *Electronic Journal of Differential Equations*, Vol. 2015, No. 214, pp 1-9, 2015 (ISI IF: 0.524)
7. O.A.Ticleanu, Differential operators for boundary solutions on elliptic curves spaces with cryptographic applications, *Electronic Journal of Differential Equations*, accepted, 2015 (ISI IF: 0.524)

## Invited Profesor

1. Vicentiu Radulescu: University of Perugia, Italy (17-24 January 2015). At the Seminar from the University of Perugia he presented the research on: *A characterization property for a class of sublinear elliptic equations*, Perugia, 20 January 2015
2. Vicentiu Radulescu, University King Abdulaziz of Jeddah (South Arabia) between 4 to 15 April 2015. At the Seminar of the Mathematical Department of this university he held the conference paper: *Entire solutions of nonlinear elliptic equations with indefinite weight*, Jeddah, 13 April 2015.
3. Vicentiu Radulescu, University King Saud of Riyadh (4-10 May 2015). At the Seminar of the Mathematical Department of this university he held the conference paper: *Qualitative properties of nonlinear elliptic equations on fractal domains*, Riyadh, 7 May 2015
4. Vicentiu Radulescu, University of Pau (10-24 October 2015). With this occasion he held two presentations at the seminars of Toulouse 1 and Pau universities, as follows: *Problemes de bifurcation a exposant variable*, Toulouse, 16 October 2015, resp. *Effets de perturbation dans l'etude des problemes elliptiques*, Pau, 22 October 2015
5. Vicentiu Radulescu, Invited Speaker at the Equilibrium and Optimization Methodology in Finance and Economics, King Saud University conference. He presented the research on *Variational Principles for Equilibrium Problems and Applications to Inequality Problems and Fixed Point Theory*, Riyadh, 10 November 2015

## Published Books

Vicentiu Radulescu, D. Repovs, [Partial Differential Equations with Variable Exponents: Variational Methods and Qualitative Analysis](#), CRC Press, Taylor & Francis Group, Boca Raton FL, 320 pp., 2015. Web site:

<https://www.crcpress.com/Partial-Differential-Equations-with-Variable-Exponents-Variational-Methods/Radulescu-Repovs/9781498703413>

## Volumes Editor

Vicentiu Radulescu, Editor al volumului [Singular and Degenerate Phenomena in Nonlinear Analysis](#), *Nonlinear Analysis: Theory, Methods and Applications*, vol. 119, pages 1-500, June 2015. Web site:

<http://www.sciencedirect.com/science/journal/0362546X/119>