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Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia
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EDUCATION

- May 1999 PhD. in Applied Nonlinear Analysis, Faculty of Sciences Dhar-Mahraz, Fez, Morocco.
- June 1996 High Studies Diploma in Nonlinear Analysis, Faculty of Sciences Dhar-Mahraz, Fez, Morocco
- June 1994 MSc. In Applied Mathematics, Faculty of Sciences Dhar-Mahraz, Fez, Morocco (June 1994).

RESEARCH INTERESTS

Applied Analysis; Boundary Value Problems and Nonlinear PDEs; Bifurcation Phenomena; Nonlinear Resonance; Spectral Theory; Topological and Variational Methods; Viscosity Solutions Theory; Finite Element Method, Discrete Potential Analysis.

EMPLOYENT

- Associate Professor of Mathematics,   Al-Imam University, College of Sciences, Riyadh. November 2011 to date.
- Assistant Professor of Mathematics, Al-Imam University, College of Sciences, Riyadh. 2007-2011;
- Assistant Professor of Mathematics at Polytechnic School of Montreal, Canada. 2003-2006;
- Assistant Professor of Mathematics at Faculty of Sciences Dhar-Mahraz, Fez, Morocco: 1999-2003;
- Lecturer at Faculty of Sciences & Technology Sais, Fez, Morocco: 1997/1998.

SELECTED PUBLICATIONS

1) **A. El Khalil**, M.D.M. Alaoui, and A. Touzani: On the p-biharmonic operator with critical Sobolev exponent, Appl. Math. (Warsaw) 41 (2014), 229-237. doi:10.4064/am41-2-10.

2) **A. El Khalil**, M.D.M. Alaoui, and A. Touzani: On the spectrum of the p-biharmonic operator involving p-Hardy's inequality, Appl. Math. (Warsaw) 41 (2014), 239-246 doi:10.4064/am41-2-11

3) **A. El Khalil**, M.D.M. Alaoui, and A. Touzani: On the p-Biharmonic Operator with critical Sobolev exponent and nonlinear Steklov Boundary condition, Volume 2014 (2014), Article ID 498386, 8 pages. http://dx.doi.org/10.1155/2014/498386

4) **A. El Khalil:** On a Class of PDE Involving p -Biharmonic Operator, ISRN Mathematical Analysis,Volume 2011 (2011), Article ID 630745, 11 pages doi:10.5402/2011/630745.

5) **El Khalil**: On the spectrum of a class of strongly coupled p- Laplacian systems, Journal of Partial Differential Equations (JPDE), Vol. 24 (2011), pp. 195-206

6) **A. El Khalil:** S. Kellati and A. Touzani, On the principal frequency curve of the p-biharmonic operator, Arab Journal of Mathematical Sciences (2011), 17, 89–99.

7) **A. El Khalil:** On the principal eigencurve of a coupled system, Recent Developments in Nonlinear Analysis, World Scientific (2010), pp. 43-53.

8) L. Bougoffa, **A. El Khalil:** and S. El Manouni: Some results on strongly nonlinear anisotropic differential equations. Applicationes Mathematicae, (Warsaw) 37, 3 (2010), pp. 375-386.

9) **A. El Khalil**, S. El Manouni and M. Ouanan: : Perturbed nonlinear degenerate problems in RN Applicationes Mathematicae (Warsaw) 36 (2009), 213-223.

10) **A. El Khalil**, S. El Manouni and M. Ouanan: On the Principal Eigencurve of the p-Laplacian: Stability Phenomena, On some nonlinear elliptic problemsfor the p-laplacian in RN, NoDEA, Nonlinear Differential Equations and Applications, 15(2008), pp. 295-307.

11) **A. El Khalil** and M. Ouana: boundary eigencurve problem involving the p- Lapacian operator, Electronic journal of Differential Equations, Vol. 2008(2008), 78, pp. 1-13.

12) **A. El Khalil**, S. El Manouni and M. Ouanan: On the Principal Eigencurve of the p-Laplacian: Stability Phenomena, Canadian Mathematical Bulletin, 49(2006), No. 3, pp. 358-370.

13) **A. El Khalil**, S. Kellati and M. Touzani: A nonlinear boundary problem involving the pbilaplacian operator, International Journal of Mathematical Sciences, 10(2005), pp. 1525-1537.

14) **A. El Khalil**; S. El Manouni and M. Ouanan: Simplicity and stability of the first eigenvalue of a nonlinear elliptic system, Int. J. Math. Math. Sci. 2005, No.10, 1555-1563 (2005).

15) **A. El Khalil**, P. Lindqvist, and A. Touzani, On the stability of the eigenvalue of $\Delta_p u +\_g(x)|u|^{p-2}u = 0$, with varying p, to appear in Rendiconti di Matematica, Serie VII Volume 24, Roma (2004), pp. 321-336.

16) **A. El Khalil** and M. Ouanan, A global bifurcation result of a Neumann problem with indefinite weight, Electronic Journal of Qualitative Theory of Differential Equations (EJQTDE), 09 (2004), pp. 1-14.

17) **A. El Khalil**, M. Ouanan and A. Touzani, Bifurcation of a nonlinear elliptic system from the first eigenvalue, Electronic Journal of Qualitative of Theory Differential Equations, No. 23) (2003), pp. 1-18.

18) **A. El Khalil** and A. Touzani, On the first eigenvalue of the p-Laplacian, Partial Differential Equations, Lecture Notes in Pure and Applied Mathematics, Vol. 229 (2002), pp. 195-205.

19) **A. El Khalil**, M. Ouanan and A. Touzani, Existence and regularity of positive solutions for an elliptic system, Electronic Journal of Differential Equations (EJDE), Conference 09 (2002), pp. 171-182.

20) **A. El Khalil**, S. Kellati and A. Touzani, On the spectrum of p-biharmonic operator, Electronic Journal of Differential Equations (EJDE), Conference 09 (2002), pp. 161-170.

21) P. Drabek, **A. El Khalil** and A. Touzani, A bifurcation problem for the principal eigencurve of p-Laplacian, Applicable Analysis, Vol. 72 (3-4) (1999), pp. 399-410.

22) P. Drabek, **A. El Khalil** and A. Touzani, A result on the bifurcation from the principal eigenvalue of A_p-Laplacian, Abstract and Applied Analysis, Vol. 2, Nos. 3-4 (1997), pp. 185-195.

PROFESSIONAL TRAINING

- Training program on " program and Courses Specifications", Riyadh, 22-34/ 1435H – 22-24/4/ 2014, Akl-Nafie Center for counseling and training.

- Workshop on: "Critical Thinking and Problem Solving", 26-29 Jumada I 1432H., ACER & Al-Imam university.

- Strategic Planing in Academic Institutions, Al-Imam Muhammed Ibn Saud Islamic University, 28-30/11/1428H.

- Building a World Class Program, Prince Naif Institute for Research and Consulting Services, 25-28/12/1430H.

- Project Management with using Microsoft Project Program, Prince Naif Institute for Research and Consulting Services, March 6-17, 2010, Riyadh.