

CURRICULUM VITAE



I. Personal information

1. Full name: Hồ Ngọc Kỳ

2. Born: 1981

Sex: Male

3. Profession: Lecturer

4. Academic degree: PhD

Year of issue: 2015

5. Email address: hnky@hcmuaf.edu.vn

6. Period of research:

<i>Time</i>	<i>Institution</i>	<i>Position</i>
Jan. 2016 - Aug. 2017	University of West Bohemia, Czech Republic	Postdoctoral researcher
Sept. 2012 - Aug. 2015	University of Ulsan, Korea	PhD student
Oct. 2004 - now	Nong Lam University - Ho Chi Minh City, Vietnam	Lecturer

7. Education background:

<i>Level</i>	<i>Time</i>	<i>Institution</i>	<i>Major/Specialty</i>
PhD	2012 - 2015	University of Ulsan, Korea	Mathematics (Partial differential equations)
M.Sc.	2005 - 2008	University of Science HoChiMinh City, Vietnam	Mathematics (Analysis)
B.Sc.	1999 - 2003	VNU University of Science, Vietnam	Mathematics

II. Research

Research interests: Partial differential equations focusing on equations of elliptic type.

Key words: Existence of solutions, uniqueness of solutions, multiplicity of solutions, positive solutions, sign-changing solutions, behavior of solutions, qualitative properties of solutions, regularity, critical problems, eigenvalue problems, the Fredholm alternative, variational methods, topological methods.

III. Publications

1. Preprints

<i>N°</i>	<i>Authors</i>	<i>Title</i>	<i>Status</i>	<i>Link</i>
3	Pavel Drábek, Ky Ho and Abhishek Sarkar	On the eigenvalue problem involving the weighted p-Laplacian in radially symmetric domains	In preparation	
2	Ky Ho , Yun-Ho Kim and Inbo Sim	On degenerate p(x)-Laplace equations involving critical growth on the whole space $\mathbb{R}^N$	In preparation	
1	Pavel Drábek, Ky Ho and Abhishek Sarkar	The Fredholm alternative for the p-Laplacian in exterior domains	Submitted	https://arxiv.org/abs/1703.10388

2. Published papers

<i>N°</i>	<i>Authors</i>	<i>Title</i>	<i>Journal (SCI/SCIE)</i>	<i>Volume, Issue, Pages</i>	<i>Link</i>	<i>Rank (SCImago Journal Rank)</i>
8	Ky Ho and Inbo Sim	A-priori bounds and existence for solutions of weighted elliptic equations with a convection term	Advances in Nonlinear Analysis (SCIE)	In press, 19 pages	https://doi.org/10.1515/anona-2015-0177	Q1
7	Ky Ho , Kanishka Perera, Inbo Sim and Marco Squassina	A note on fractional p-Laplacian problems with singular weight	Journal of Fixed Point Theory and Applications (SCIE)	Vol. 19 (2017), No. 1, pp 157-173	https://doi.org/10.1007/s11784-016-0344-6	Q2

<i>Nº</i>	<i>Authors</i>	<i>Title</i>	<i>Journal (SCI/SCIE)</i>	<i>Volume, Issue, Pages</i>	<i>Link</i>	<i>Rank (SCImago Journal Rank)</i>
6	Ky Ho and Inbo Sim	Existence results for degenerate $p(x)$ -Laplace equations with Leray- Lions type operators	Science China Mathematics (SCI)	Vol. 60 (2017), No. 1, pp 133- 146	https://doi.org/ 10.1007/s11425 -015-0385-0	Q1
5	Ky Ho and Inbo Sim	On degenerate $p(x)$ - Laplace equations involving critical growth with two parameters	Nonlinear Analysis (SCI)	Vol. 132 (2016), pp 95- 114	https://doi.org/ 10.1016/j.na.20 15.11.003	Q1
4	Ky Ho and Inbo Sim	Existence and multiplicity of solutions for degenerate $p(x)$ -Laplace equations involving concave-convex type nonlinearities with two parameters	Taiwanese Journal of Mathematics (SCI)	Vol. 19 (2015), No. 5, pp 1469-1493	https://doi.org/ 10.11650/tjm.19 .2015.5187	Q2
3	Ky Ho , Chan-Gyun Kim and Inbo Sim	Multiple positive solutions for quasilinear elliptic equations of $p(x)$ - Laplacian type with sign- changing nonlinearity	Electronic Journal of Differential Equations (SCIE)	Vol. 2014 (2014), No. 237, pp. 1-12	https://ejde.mat h.txstate.edu/Vo lumes/2014/237 /ho.pdf	Q3
2	Ky Ho and Inbo Sim	Existence and some properties of solutions for degenerate elliptic equations with exponent variable	Nonlinear Analysis (SCI)	Vol. 98 (2014), pp 146-164	https://doi.org/ 10.1016/j.na.20 13.12.003	Q1
1	L. T. P. Ngoc, T. M. Thuyet, H. N. Ky , N. T. Long	Existence and exponential decay estimates for a system of nonlinear wave equations with nonlinear boundary conditions	Nonlinear Functional Analysis and Applications	Vol. 17 (2012), No. 4, pp 491- 518.	http://nfaa.kyun gnam.ac.kr/jour nal- nfaa/index.php/ NFAA/article/vie w/48	

IV. Talks

<i>N^o</i>	<i>Authors</i>	<i>Title</i>	<i>The conference</i>	<i>Link</i>
7	Ky Ho	On the eigenvalue problem involving the weighted p -Laplacian in exterior domains	Equadiff 2017, Bratislava, Slovakia, July 24-28, 2017	http://www.math.sk/equadiff/scientific-programme/
6	Ky Ho	The Fredholm Alternative for the p -Laplacian in exterior domains. Part I	Emerging issues in nonlinear elliptic equations: singularities, singular perturbations and non local problems, Będlewo, Poland, June 18-24, 2017	https://www.impan.pl/konferencje/bcc/2017/17-elliptic/lecture/ky-ho-s-talk.pdf
5	Ky Ho	On degenerate $p(x)$ -Laplace equations involving critical growth with two parameters	XXX Seminar in Differential Equations, Ostrov, Czech Republic, May 30-June 3, 2016	http://sde.kma.zcu.cz/main.php?y=2016&m=home&b=programme
4	Ky Ho	Multiplicity results of degenerate $p(x)$ -Laplace equations with Leray-Lions type operators	2014 Annual Conference of Youngnam Mathematical Society, Gyeongju, Korea, June 27-28, 2014	
3	Ky Ho	Multiple nontrivial solutions for degenerate $p(x)$ -Laplace equations with Leray-Lions type operators	2014 International Workshop on Nonlinear PDE and Applications, Busan, Korea, March 27-28, 2014	

<i>N^o</i>	<i>Authors</i>	<i>Title</i>	<i>The conference</i>	<i>Link</i>
2	Ho Ngoc Ky	Existence and uniqueness of solutions for degenerate elliptic equations with variable exponents	The 8th National Math Conference, Nha Trang, Vietnam, August 10-14, 2013	
1	Ho Ngoc Ky	On a nonlinear Kirchhoff wave equation in the annular with the mixed homogeneous conditions	The 7th National Math Conference, Quy Nhon, Vietnam, August 4-8, 2008	

V. Refereeing/reviewing service

<i>N^o</i>	<i>Journal</i>	<i>Publisher</i>	<i>Rank</i>
7	Nonlinear Analysis (SCI)	Elsevier	Q1
6	Topological methods in nonlinear analysis (SCIE)	Centrum im. Juliusza Szaudera (Toruń, Poland)	Q2
4	Boundary Value Problems (SCIE)	Hindawi Publishing Corporation	Q3
3	Electronic Journal of Differential Equations (SCIE)	Texas State University, USA	Q3
2	Journal of nonlinear sciences and applications (ISSN 2008-1901, SCIE)	The International Scientific Research Publications	Q1
1	Mathematical Communications (ISSN 1331-0623)	University of Osijek, Croatia	Q3

VI. Honors and Awards

- [3] First Prize, the annual National Mathematics Olympiad for undergraduate students, Vietnam, 2000.
- [2] Silver Medal, the 11th Asian Pacific Mathematics Olympiad , Colombia, 1999.
- [1] First Prize, Nghe An Province's Mathematics Olympiad for Talented Students, Vietnam, 1998.