

# Curriculum Vita



Name: Ahmad Khalid Al Abdulaali

Date of birth: 22 Jul 1981 AD. Place of birth: Al-Ahsaa, Kingdom of Saudi Arabia

Marital Status: Married

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Math. Department – College of Science – King Faisal University.

## Education

Bachelor degree of Mathematics (B.M.) King Faisal University. 2003

Master degree of Mathematics (M.Sc.) King Faisal University. January 2008

Licentiate of Philosophy in Mathematics, Stockholm University, March 2011

Doctor of Philosophy in Mathematics (Ph.D). Stockholm University, March 2012

## Area of interest:

Complex analysis in several variables, Positive currents, Monge-Ampère operators, Lelong Number, Pluripotential theory.

## Professional Experience:

Demonstrator. Math. Department – College of Science – King Faisal University. (2004-2008).

Lecturer. Math. Department – College of Science – King Faisal University 2009.

Assistant Professor. . Math. Department – College of Science – King Faisal University 2012.

**Administrative Experience:**

- Vice Dean for Academic Affairs, College of Science. (February 2013 – February 2018).
- Chairman, Department of Mathematics and Statistics. (March 2013 – present).
- Dean of Preparatory Year Deanship. (February 2018- present)

**Conferences:**

- International Conference in Complex Analysis and Geometry AGC 2010, Gabes, Sfax and Monastir Universities, Monastir, Tunisia. (Oct 2010)
- KAUS 2012, Conference in Complex analysis for graduate students at Stockholm University. (Feb 2012)
- International Conference in Complex Analysis and Geometry AGC 2013, Gabes, Sfax and Monastir Universities, Monastir, Tunisia. (Nov 2013)
- Conference on Complex Analysis and Geometry in honor of Pierre Dolbeault on the occasion of his 90th birthday anniversary. Université Pierre et Marie Curie, Paris. (June 2014)
- The 19th NORDAN conference in Complex Analysis 2015, Reykjavik University, Iceland.

**Theses:**

1. Al Abdulaali, Ahmad K., *On the extension of plurisubharmonic currents*. Master thesis, K.F.U 2008.  
Supervised by Professor Hassine El Mir
2. Al Abdulaali, Ahmad K., *On the extension and wedge product of positive currents*. Doctoral thesis, Department of Mathematics, Stockholm Uni, 2012.  
Supervised by Professor Jan-Erik Bjork

**Publication:**

1. Al Abdulaali, Ahmad K., *Extension and embedding of plurisubharmonic currents*. Research report, Department of Mathematics, Stockholm University, Number 3, 2010.
2. Al Abdulaali, Ahmad K., *The extendability of  $S$ -plurisubharmonic currents*. C. R. Acad. Sci. Paris, Ser. I 350 (2012) 1023–1026
3. Al Abdulaali, Ahmad K., *Extension of positive currents with special properties of Monge-Ampere operators*. Math Scand 2013, volume 113, issue 1, 108-127 .
4. Al Abdulaali, Ahmad K., *The inductive wedge product of positive currents*. J. Math. Anal. Appl. 412 (2014) 744–755
5. Al Abdulaali, Ahmad K.; El Mir, H., *Existence problem of  $S$ -plurisubharmonic currents*. C. R. Acad. Sci. Paris, Ser. I 353 (2015) 605–610.
6. Al Abdulaali, Ahmad K.; El Mir, H., *Harvey's extension of  $S$ -psh currents across zero sets of Psh functions*. Submitted.
7. Al Abdulaali, Ahmad K.; El Mir, H., *Controlling higher degrees of Psh functions*. Submitted.
8. Al Abdulaali, Ahmad K., *Lelong-Demailly number and wedge product of  $S$ -Psh currents*. Submitted.

#### **List of Research Projects:**

1. Al Abdulaali, Ahmad K.; El Mir, H., *Existence problem of  $S$ -plurisubharmonic currents*. Financially supported by KFU under the reference 140202. **Accomplished**
2. Al Abdulaali, Ahmad K.; El Mir, H., *Harvey's extension of  $S$ -psh currents across zero sets of Psh functions*. Financially supported by KACST under the reference (50-34- م ص). **Accomplished**
3. Al Abdulaali, Ahmad K.; El Mir, H., *Extension of  $S$ -plurisubharmonic with Conditions on its Slices*. Financially supported by KACST under the reference (149-34- م ص). **Accomplished**

#### **Courses Taught:**

**Master Program:** Complex Analysis 1 (Math 1643).

**Bachelor Program:** I have taught several courses such as: General Math, Caculus1, Calculus 2, Calculus 3, Multivariate Function for Engineering Students, Complex Analysis, Differential Forms and Vector Analysis, Functional Analysis.

#### **Writing Skills:**

Latex and Microsoft word

#### **Languages:**

Arabic and English.