CURRICULUM VITAE

Name: **Sihem Youssef Trabelsi**

Born: Tunisia

Marital Status: Married, 2 children

Citizenship: Tunisian

Address: College of Science, King Faisal University

AL Hofuf, KSA.

Email : strabelsi@kfu.edu.sa

shm.trabelsi@gmail.com

CURRENT JOB

2013- **Assistant Professor**

College of Science, Department of Mathematics

King Faisal University, KSA.

EDUCATION

2011 **Doctorate of Mathematics** (PhD)

Faculty of Sciences of Tunis,

Tunis El Manar University, Tunisia.

2004 **Master of Sciences of Applied Mathematics (M Sc)**

Faculty of engineering of Tunis (ENIT),

Tunis El Manar University , Tunisia.

1994 **Bachelor of Science in Mathematics (B Sc)**

Faculty of Sciences of Bizerte,

Carthage University, Tunisia.

EMPLOYMENT

2011/2013 Assistant Professor

      Institute of Engineering Preparatory Studies, Nabeul,

      Carthage University, Tunisia.

2010/2011 Teaching Assistant

      Computer Institute of El Kef,

      Jendouba Universty

2008/2010 Teaching Assistant

      Institute of Engineering Preparatory Studies, Manar

      El Manar University, Tunisia.

2003/2008 Teaching Assistant

      Institute of Engineering Preparatory Studies Bizerte ,

      Carthage University, Tunisia.

2000/2003: Teaching Assistant

      Institute of Engineering Preparatory Studies, Mateur ,

      Carthage University, Tunisia.

1996/2000 : Secondary school teacher,

      Secondary school, Gbollat,

      Beja, Tunisia

1994/1996: Secondary school teacher,

      Secondary school, Teboursouk,

      Beja, Tunisia.

TEACHING EXPERIENCE

- General algebra, linear algebra
- Real and complex Analysis
- Geometry
- Numerical Analysis
- Precalculus, Calculus I
- Geometric transformations
- Principles of Analysis
- Ordinary differential equations.
- Real analysis I
- Real analysis II

TRAINING

- International Training : **Mawhiba Enrichment Program 12-hours, science-focused, teacher training workshop**, under the supervision of King Abdulaziz & his Companions Foundation for Giftedness and Creativity .
  The training is conducted by **Johns Hopkins University** Dammam Apr. 22-23, 2015

- Training Program of the Deanship of Quality Assurance and Academic Accreditation: **Learning outcomes - teaching strategies and methods of assessment**
  King Faisal University, Dec. 23-24, 2014

- Training Program of the Deanship of Academic Development **Orientation and Training Program for New Faculty**
  King Faisal University, Sep. 25-26, 2013

- o Training Program of the Deanship of Quality Assurance and Academic Accreditation: **Description of courses**
  King Faisal University May. 12-13, 2013

- o Training Program of the Deanship of Quality Assurance and Academic Accreditation: **Basic concepts of quality**
  King Faisal University ,Apr. 22-23, 2013

- o Training Program of the Deanship of Quality Assurance and Academic Accreditation: **Institutional and programmatic accreditation requirements**
  King Faisal University, Mar. 10-11, 2013

- o Training Program of the Deanship of Quality Assurance and Academic Accreditation: **Activation of collegiality partnership programs**
  King Faisal University ,Apr. 15-16, 2013

COMMETTEE AND PROFESSIONAL SERVICE

- Member of the Committee of Quality Assurance and Academic Accreditation
  College of Science, King Faisal University (2015/2016)

- Member of the Committee of final exams
  College of Science, King Faisal University (2014/2015)

- Member of the Committee of mid-term exams
  Department of Mathematics
  College of Science, King Faisal University (2014/2015)

- Member of the Committee of mid-term exams

  Department of Mathematics

  College of Science, King Faisal University (2013/2014)

RESEARCH   INTERESTS

- Numerical analysis.
- Spectral discretization of axisymmetric domains.
- Navier Stokes Equations.
- Spectral and High order methods
- Mortar Element Methods

PUBLICATIONS

Published

- Abdellatif N., Chorfi N. Trabelsi S. (2011)

  "*Spectral discretization of the axisymmetric vorticity, velocity and pressure formulation of the Stokes problem*"

  Journal of Scientific Computing, Vol 47, Number 3 (2011), 419-440

  http://dx.doi.org/10.1007/s10915-011-9484-4

- Abdellatif N., Chorfi N. Trabelsi S. (2012)

  "*Spectral discretization of the axisymmetric vorticity, velocity and pressure formulation of the Navier-Stokes problem*"

  Journal of Computational and Applied Mathematics,

  Volume 241, Pages 1–18 ,15 March 2013

  http://dx.doi.org/10.1016/j.cam.2012.09.032

CONFERENCES ET COMMUNICATIONS

ICOSAHOM 2012 :   International Conference On Spectral
And High Order Methods.
June 2012, Gammarth, Tunisia

OTHER RESEARCH ACTIVITIES

- Member of the exanimating committee "Research and Article" report in Master Program " **Comparison between probability metric space and Fuzzy metric space**"
  College of Science , King Faisal University
  semester I, 1436/1437

- Member of the exanimating committee "Research and Article" report in Master Program " **On Fuzzy Quasi metric spaces**"
  College of Science , King Faisal University
  semester II, 1435/1436

- Member of the exanimating committee "Research and Article" report in Master Program
  " **Krylov subspace Methods for Solving Linear Systems**"
  College of Science , King Faisal University
  semester II, 1435/1436

- Member of the exanimating committee "Research and Article" report in Master Program "**Fuzzy metric space**"
  College of Science , King Faisal University
  semester II, 1434/1435

- Member of the exanimating committee "Research and Article" report in Master Program "**Cone metric space**" College of Science , King Faisal University semester I, 1434/1435

- Member of the exanimating committee "Research and Article" report in Master Program "**Quasi metric space**" College of Science , King Faisal University semester I, 1434/1435

COMMUNITY SERVICE

- Coach of cryptology unit in **"Mawhiba Enrichment Program"** under the supervision of King Abdulaziz & his Companions Foundation for Giftedness and Creativity King Faisal University, July 2015

- Coach of cryptology unit in **"Mawhiba Enrichment Program"** under the supervision of King Abdulaziz & his Companions Foundation for Giftedness and Creativity King Faisal University, July 2016

COMPUTER SKILLS

- Operating Systems OS : Windows , Linux
- Editing : Latex, MS Word, MS Exel, MS Power Point, Internet Tools, Beamer
- Development and programing : MATLAB.

LANGUAGE SKILLS

- Arabic: Native Language.
- French : Conversation: good, written : good
- English : Conversation: good, written : good