Curriculum Vitae

First Name : Aymen Surname : BEN AMIRA Date of birth : 26/09/ 1986 Nationality : Tunisian Marital status : Married e-mail : abenamira@ksu.edu.sa ayman.benamira@yahoo.fr Phone number :(00966) 58 135 95 15 (00216) 20 143 269



1) ACADEMIC DEGREES

2011-2015 : Faculty of sciences of Sfax - Sfax university- Tunisia. Doctorate Degree(January 2015). Specialty : Mathematics. Thesis topic : "Incidence matrix, applications, and a reconstruction problem." Grade : Very Honorable.
2010-2011 : Faculty of Science and technology of Le Mans - France. Master Degree(September 2011). speciality : Applied Mathematics. Master topic : "Optimal switching the modes in Multi-Horizon over and Solution

Viscosity Approached in direction." Grade : Passable

• 2005–2009 : Faculté des Sciences Sfax (FSS)Faculty of sciences of Sfax - Sfax university- Tunisia.

Engineering Degree(June 2009) speciality : Applied Mathematics. Grade : Good.

 2001-2005 : /11/1955 Secondary school. Sfax - Tunisia. Bachelors degree(June 2005).
 speciality : Mathematics.
 Grade : Honors.

2) **EXPERIENCE**

- 2018–Up to now : Assistant Professor at King Saud University, KSA.
 - DISCRETE MATHEMATICS (Lecture and Tutorial).
 - Logic MATHEMATICS (Lecture and Tutorial).
 - INTEGRAL CALCULUS (Lecture and Tutorial).
 - Combinatorics and Graph Theory (Lecture and Tutorial).
- 2016–2018 : Contractual Teacher of higher education at Institute Polytechnic of Advanced Sciences of Sfax.
 - Courses algebra for first year preparatory to engineering studies.
 - Courses algebra for second year preparatory to engineering studies.
- 2015–2016 : Contractual Assistant of higher education at the Higher Institute of Business Administration.
 - Courses analysis for first year applied management degree.
 - $\circ~$ Directed studies analysis for first year applied management license.
- 2011–2015 : Contractual Assistant of higher education at the Higher Business School of Sfax.
 - Courses analysis for first year applied management degree.
 - Directed studies analysis for first year applied management license.
 - Mathematical tools for first year applied degree in economics.

3) SCIENTIFIC PUBLICATIONS

- INTERNATIONAL JOURNALS
 - A. Ben Amira, B.Chaari, J. Dammak, H. Si Kaddour, *The* (≤ 5)-*hypomorphy* of digraphs up to complementation, Arab J Math Sci 25 (1), (2019) 1–16.
 - A. Ben Amira, J. Dammak, H. Si Kaddour, On a generalization of Kelly's combinatorial lemma, Turkish Journal of Mathematics, 38: (2014) 949–964.
 - A. Ben Amira, J. Dammak, *Rank of incidence matrix and applica*tions, Journal of Combinatorics, Volume 11, Number 4, 657–679, 2020.
- <u>CONFERENCES</u>
 - 1) Conference organization "Combinatoire, Algèbre & Théorie des Nombres" (CATN 2016) and participation to formation "SAGE Combinat. Software".

- 2) Participation to International Conference on Advances in Applied Mathematics (ICAAM 2015) by an oral communication entitled : "Reconstruction of digraphs up to complementation".
- 3) Participation to Conference School on discrete mathematics and computer sciences (DIMACOS 2015) by an oral communication entitled : "Reconstruction of digraphs up to complementation" and participation to formation "SAGE Combinat. Software".
- 4) Participation to 20th Congress of the Tunisian Society of Mathematics (CSMT 2015) by an oral communication entitled :"Rank of the incidence matrix and applications".
- 5) Participation to International Conference on Advances in Applied Mathematics (ICAAM 2014) by an oral communication entitled : " A generalization of M.Pouzet combinatorial lemma".
- 6) Participation to 19th Congress of the Tunisian Society of Mathematics (CSMT 2014) by an oral communication entitled :"A generalization of Kelly combinatorial lemma".
- Participation to 18th Congress of the Tunisian Society of Mathematics (CSMT 2012).

4) SOFTWARE KNOWLEDGE

Word, Excel, Power point, Access, ... Maple, Matlab, Latex, C++, Sage ...

5) **LANGUAGES**

Arabic, French, English