



Ezzedine rabeH mliki

Assistant professor

Personal Data

Nationality | Tunisian

Date of Birth | 12/08/1977

Department | Mathematics

Official IAU Email | ermliki@uod.edu.sa

Language Proficiency

Language	Read	Write	Speak
Arabic	x	x	x
English	x	x	x
Others(French)	x	x	x

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2009	PhD	University of Tunisian- el Manar	Tunisia
2005	Master	University of Tunisian- el Manar	Tunisia
2003	Fellowship	University of Monastir	Tunisia
1998	Bachelor	School of Sidi Bouzid	Tunisia

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Probability and stochastic analysis
Master	Stochastic Differential equation and applications
Fellowship	Mathematics

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant professor	University of Dammam	2014/2017
Assistant professor	University of Monastir	2009/2014
Assistant	University of Bizerte	2005/2009
Lecturer assistant	University of Tunisian- el Manar	2004/2005



Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Ezzedine Mliki and Mohamed Hmissi	On exit laws for subordinated semi-groups by means of C1-subordinators.	Comment.Math.Univer.Carolin. 51 (2010), 605- 617.
2	Ezzedine Mliki and Hassen Mejri	On the abstract subordinated exit equation	Abstr. App. Anal. V 2010 (2010).
3	Ezzedine Mliki and Hassen Mejri	On the exit laws for semi-dynamical systems and Bochner subordination.	Int. J. App.Math. (2010), 6-12.
4	Ezzedine Mliki , Mohamed Hmissi and hassen Mejri	On the abstract exit equation	Gaz. Math. Ber. 354 (2009), 84 - 98.
5	Ezzedine Mliki, Mohamed Hmissi and hassen Mejri	On the fractional powers of semi-dynamical systems.	Gaz. Math. Ber. 351 (2007), 66- 78.

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	Ezzedine Mliki and Mohamed Hmissi	On exit laws for subordinated semi-groups by means of C1-subordinators.	Comment.Math.Univer.Carolin. 51 (2010), 605- 617.	2010
2	Ezzedine Mliki and Hassen Mejri	On the abstract subordinated exit equation	Abstr. App. Anal. V 2010 (2010).	2010
3	Ezzedine Mliki and Hassen Mejri	On the exit laws for semi-dynamical systems and Bochner subordination.	Int. J. App.Math. (2010), 6-12.	2010
4	Ezzedine Mliki , Mohamed Hmissi and hassen Mejri	On the abstract exit equation	Gaz. Math. Ber. 354 (2009), 84 - 98.	2009
5	Ezzedine Mliki, Mohamed Hmissi and hassen Mejri	On the fractional powers of semi-dynamical systems.	Gaz. Math. Ber. 351 (2007), 66- 78.	2007



Current Researches

#	Research Title	Name of Investigator(s)
1	Lectures on Dynamical Systems	Ezzedine Mliki
2	Connecting Brownian Motion and Partial Differential Equations with Applications in Statistics	Ezzedine Mliki

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	European conference of iteration theory	Milano (Italia) ECIT (2006)	Give a talk: Ergodicity and bochner subordination
2	International conference of analysis stochastic	Hammamet(Tunisia) (2006)	Presence
3	SMT mathematics Tunisian	Sousse (Tunisia) 15-19 march 2010	Presence
4	International conference of analysis stochastic	Hammamet(Tunisia) (2008)	Presence
5	SMT mathematics Tunisian	Sousse (Tunisia) 17-21 march 2008	Presence
6	SMT mathematics Tunisian	Sousse (Tunisia) 19-23 march 2007	Presence

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Linear Algebra	233N	
2	Set Theory	172N	
3	Introduction to statistics	207N	
4	Probability theory	371N	
5	Statistics and its Applications	374N	
6	Statistical Methods chemistry	650N	
7	Logic and methods of proof	162N	

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	On successful completion of this course students will be able to: <ol style="list-style-type: none"> 1. Solve linear system of equations by Gauss elimination method. 2. Find basis and dimension.
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	<ol style="list-style-type: none"> 3. Find the rank of matrix. 4. Find determinant of matrix. 5. Find the inverse of matrix . 6. Apply Gram- Schmidt process on linear independent set. 7. Change of basis. 8. Find the eigen values of matrix .
2	<p>Upon successful completion of this course students will be able to:</p> <ol style="list-style-type: none"> 1. Know the basic concepts of sets. 2. Know the notions of Union, Intersection, Difference Complements and Power Sets. 3. Know the definition of subsets of Cartesian product of sets and relations. 4. Determine the different types of relations. 5. Know the definition of functions. 6. Discuss the different types of functions (One-one function ,Onto function , Correspondence). 7. Understand infinite sets. 8. Determine countable sets and cardinal number.
3	<p>Upon successful completion of this course students will be able to:</p> <ol style="list-style-type: none"> 1. Overview on our course. 2. Types of data and frequencies tables. 3. Frequency histogram, frequency curve, and frequency polygon. 4. Measures of central tendency: mean , quartiles, median, mode. 5. Measures of dispersion : Range, variance, standard deviation, coefficient variation. 6. Pearson's skewness coefficients. 7. Linear Correlation. 8. Simple linear Regression. 9. Principles of probability. 10. Binomial distribution and normal distribution
4	<p>Upon successful completion of this course students will be able to:</p> <ol style="list-style-type: none"> 1. Probability - sample spaces and events, probability axioms, conditional probability, Bayes' Theorem. 2. Discrete random variables 3. Special cases of discrete distributions - uniform, binomial, geometric, hyper-geometric, Poisson 4. Continuous random variables 5. Special cases of continuous distributions - uniform, gamma, exponential, normal 6. Bivariate distributions, marginal and conditional mass and density functions



	7. Transformations of random variables
5	<p>Upon successful completion of this course students will be able to:</p> <ol style="list-style-type: none"> 1. Data Distributions , Data Relationships , Producing Data 2. Measures of Association: nominal and ordinal data. 3. Introduction For Using Spss 4. Introduction to Inference : confidence intervals, testing of hypothesis 5. Inference of the Mean , Compering Two Means 6. Inference of the Proportions , Compering Two Proportions 7. Inference of the Variance , Compering Two Variances 8. Analysis of variance (ANOVA) 9. Chi-square tests: goodness of fit tests, test for independence and homogeneity 10. Some nonparametric tests. 11. Inference for Regression
6	<p>Upon successful completion of this course students will be able to:</p> <ol style="list-style-type: none"> 1. Descriptive Statistics for Chemistry, Application with SPSS 2. Probability distribution and their application: Normal distribution and standard normal distributions, T-distribution, chi-square distribution, Fisher-distribution 3. Sampling distributions 4. Confidence intervals 5. Statistical hypotheses testing 6. Some nonparametric tests. 7. Analysis of variance (ANOVA) 8. Inference for Regression 9. General applications using SPSS
7	<p>Upon successful completion of this course students will be able to:</p> <ol style="list-style-type: none"> 1. Definition of statement and identification of simple (atomic) and compound statement. 2. Standard connectives used to form compound statements from atomic propositions. 3. Truth tables. 4. Tautology and its principal results. 5. Predicate logic and quantifiers 6. Methods of proof: Formal proof, informal proof, conditional proof, indirect proof, proof by counter example, mathematical induction. 7. Mathematical induction.



Administrative Responsibilities, Committee and Community Service

(Beginning with the most recent)

Committee Membership

#	From	To	Position	Organization
1	1/10/2016	31/05/2016	member	committee for the preparation and the design of the statistics curriculum of preparatory year.
2	1/10/2016	30/10/2016	member	Committee of Graduate

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	(X)html, Latex, Beamer
2	powerpoint, excel, Linux, SPSS

Last Update

14/ 12/2016