

**Name:** Rezaiguia Ali

**Date and place of birth:** 26-01-1984 in Souk Ahras, Algeria.

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Faculty of Science and Technology, Mouhamed Cherif Messadia  
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## **Diplomas obtained (graduation, post graduation, etc ...) with date and place of obtaining and specialty**

- 2006 : DES Mathematic, Functional analysis option at souk ahras university.
- 2010 Master probability and statistics "Khi test two to two dimensions" at souk ahras university.
- 2016: PhD Mathematics, option Topology and functional analysis "Continuous selection on hyper closed spaces and closed convex and application to differential inclusion" at annaba university. The thesis supervisor: Pr Smail Kelaiaia.  
E-mail : [kelaiaiasmail@yahoo.f](mailto:kelaiaiasmail@yahoo.f)

## **Research activities**

### **Areas of research interest**

- Existence and topological structur of soloution set for a differential inclouision.
- Partial and Ordinory differential equation with delay.
- Fractional differential equations and inclusion.

### **Research Laboratory**

- Member of: Laboratory of Computer Science and Mathematics (LIM), <http://www.univ-soukahras.dz/en/profile/arezaiguia>

### **Research projects**

- 1-** Topology set-open sur les espaces de fonctions, Sélections continues sur les hyperspaces de fermés et convexes fermé et Classe d'opérateurs bornés de Joel Anderson, Code Projet : B01120120017, Since 01/01/2013.
- 2-** Comparaison de topologies set-open et uniformes sur les espaces de fonctions, Sélections continues et application aux inclusions différentielles et Classe d'opérateurs bornés de Joel Anderson, Code Projet : C00L03UN230120150007, Since 01/01/2016.

### **Talks in conferences and seminars**

- The second school of Geometry and Geo2 Topology, 08 to 14 December 2013, Kasdi Merbah University Ouargla, Algeria.

- JNMA14, 26-27 new 2014, university 20 August 1955, skikda, Algeria.
- ProMa'2014, 11-13 March 2014, Badji Mokhtar University Annaba, Algeria.
- Member Organizing Committee AEO'2015: Scientific Day in Mathematics, Souk ahras University, Sunday 10 May 2015.
- ICNODEA2015, cluj-napoca, Romania.

## Publications

### Papers available online

1. Abdelouaheb Ardjouni, Ahcene Djoudi, [Ali Rezaigui](#), Existence Of Positive Periodic Solutions For Two Types Of Third-Order Nonlinear Neutral Differential Equations With Variable Delay, Applied Mathematics E-Notes, 14(2014), 86-96.
2. Abdelouaheb Ardjouni, [Ali Rezaigui](#) and Ahcene Djoudi, Existence of positive periodic solutions for fourth-order nonlinear neutral differential equations with variable delay, Adv. Nonlinear Anal. 2014; 3 (3):157–163.
3. Abdelouaheb Ardjouni. [Ali Rezaigui](#) . Ahcene Djoudi Existence of positive periodic solutions for two types of second-order nonlinear neutral differential equations with infinite distributed delay, J. Appl. Math. Comput. (2015) 47:291–314.
4. [Ali Rezaigui](#). Smail kelaiaia. Existence Of Positive Solution For Tthird-Order Three Point Boundary Value Problem, Matematički Vesnik 68, 1 (2016), 12–25.
5. [Ali Rezaigui](#). Smail Kelaiaia. Existence Results For Tthird-Order Differential Inclusions With Three Point Boundary Value Problem. Acta Math. Univ.Comeniane, Vol. LXXXV,2(2016),pp.311-318.
6. [Ali Rezaigui](#), Smail Kelaiaia, Existence of Solutions, Filippov's Theorem and Compactness of the Set of Solutions for a Third-Order Differential Inclusion with Three-Point Boundary Conditions, Mathematics **2018**, 6, 40; doi: 10.3390/math 6030040

### Papers accepted

1. Ali Rezaigui, Abdelouaheb Ardjouni, Ahcene Djoudi, Existence of Positive Periodic Solutions of First-Order Neutral Differential Equations, to **Honam Mathematical Journal. Accepted 2018**

### Papers submitted

- 1- [Ali Rezaigui](#). Smail Kelaiaia. Existence of Solution for Tthird-Order Differential Inclusions with Three Point Boundary Value Problem involving Convex maps

### Papers in preparation

- 1- Salah Zitouni, [Ali Rezaigui](#) Abdelouaheb Ardjouni, Khaled Zennir, Rachida Amiar. Positive Solutions to Generalized Second-Order Three-Point Derivative Boundary-Value Problems
- 2- [Ali Rezaigui](#). Smail kelaiaia. Existence Results for Fractional Differential Inclusions with Three Point Boundary Value Problem

## **Professional experience**

### **Professional pedagogical skills (subjects taught, etc.)**

**Dec 2010 –sep2012, El oued University, algeria**

#### **At the Department of Science and Technology:**

- Probability and statistics.
- Numerical Methods

#### **At the Department of Mathematics and Computer Science:**

- Probability.

**Sep 2012-to this day, Soukahras University, algeria**

#### **At the Department of Science and Technology:**

- Math 01, Math 02 and Math 03
- complex analysis

#### **At the Department of Mathematics and Computer Science:**

- Topology of metric spaces.
- Real analysis

### **Supervision- Licence thesis (BAC+3 years) in mathematics of:**

1/ Amouri Meriam and Souhaila Bouziane, Theorem de Krasnosilskii, 2014.

2/ Drider Imen and Khaoula Laajailia, L'intégration dans un Banach et application, 2015.

3/ Hangri Yasmine and tabba Soulef, Methodes de résolutions d'une équation intégral-différentielle, 2015

### **Administration**

- 1- Department chief of Basic Education in Science and Technology, faculty of sciences and Technology, university Mohamed cherif Mesaadia, Algeria.