**CURRICULUM VITAE**

**Personal Information:**

**Name: Reda Abdel-Rahman Ali Farag**

**Date of Birth: September 15th, 1964**

**Citizenship: Egyptian**

**Address: Department of Zoology, Faculty of Science,**

 **University of Assiut, Assiut, EGYPT.**

 **Tel. 0020 882 412369 FAX. 0020 882 080 209**

 **Home tel.: 0020 882148 320 Cellular phone 0020 101 142 3969**

 **E- Mail:** **Reda.Farag@science.au.edu.eg** **/ reda@aun.edu.eg**

**-Gen Bank ID: GenBank Accession Number: AY926574 (Deposited on November,2005).**

**- ORCID ID:**[**https://orcid.org/0000-0002-6716-9789**](https://orcid.org/0000-0002-6716-9789)**.**

**-** [**Scopus Author ID: 9332710100**](http://www.scopus.com/inward/authorDetails.url?authorID=9332710100&partnerID=MN8TOARS)

**Web of Science Researcher ID :** [**M-7775-2019**](https://publons.com/researcher/M-7775-2019/)

**Academic Qualifications:**

**-Ph. D. Zoology (Experimental Embryology), Assiut University, Egypt, 1994.**

**-M. Sc. Zoology (Experimental Embryology), Assiut University, Egypt, 1991.**

**-B. Sc. Zoology, Assiut University, Egypt, 1986.**

**Academic Positions:**

**April 2012- ………..: Professor of Experimental Embryology, Department of Zoology,**

 **University of Assiut, Egypt.**

**Oct. 2007- Aug. 2015: Prof. of Vertebrate Biology, Department of Biology, Faculty of Education, University of Azzaytouna (7th October), Bani Waleed, Libya**

**Sep. 2001- Aug.2003: Guest Researcher, Department of Cell and Molecular Biology, Lund University, Sweden**

**April 2001-April 2012: Associate Prof., Department of Zoology, University of Assiut, Egypt.**

**Oct. 1996- Aug. 1997: Assist. Prof., Department of Biological Sciences, University of Taiz, Yemen.**

**Feb. 1994- Sep. 1996: Lecturer, Department of Zoology, University of Assiut, Egypt.**

**Feb. 1991- Jan. 1994: Lecture Assistant, Department of Zoology, University of Assiut, Egypt.**

**Oct.1986- Jan. 1991: Demonstrator, Department of Zoology, University of Assiut, Egypt.**

**Current Position: Professor of Experimental Embryology, Department of Zoology, University of Assiut, Egypt.**

**Awards & scholarships:**

#  2019: Assiut University Award of International Publication with impact factor.

# Sep. 2001- Aug. 2002: Research scholarship from the Swedish Institute, in Lund

 **University, Sweden.**

 **June 2002 – May 2003: Research scholarship from Venner Gren, in Lund University,**

 **Sweden.**

**June 2003 – Aug 2003: Research scholarship from Department of Cell and Molecular**

 **Biology, in Lund University, Sweden.**

**Oct.1982 - June1986: Annual Outstanding Students Award, University of Assiut.**

**Practical Training, Workshops and Conferences attended:**

**- Chairman of the 1st session of 4th International Conference on New horizons in Basic and Applied Sciences (ICNHBAS2019). 26-29 July 2019, Hurghada, Egypt.**

**- Chairman of the VI session of 3rd International Conference on New horizons in Basic and Applied Sciences (ICNHBAS2017). 2-5 August 2017, Hurghada, Egypt.**

**- 17th International conference of the Egyptian German Society of Zoology, University of**

 **Dresden, Germany, July, 25th - Aug. 1st, 2007.**

**- 15 th International conference of the Egyptian German Society of Zoology, Feb. 2005.**

**- 11th annual conference of veterinary sciences. Assiut University, 5-7 Dec. 2004.**

**- 11th International Conference of Union of Arab Biologists, Cairo, Sep. 2004.**

**- Condensed course in Molecular Biology, organized by the institute of Postgraduate studies**

 **and Research, University of Alexandria, Aug. 2001.**

**-Seventh International Conference of Union of Arab Biologists, Mansoura, Nov. 2000.**

**-Sixth International Conference of Union of Arab Biologists, Cairo, Nov.1999.**

**-Second International Conference of The Egyptian Society of Electron Microscopy. July,**

 **1999.**

**-Workshop in atomic power and its application in Biology, organized by The Arab League**

 **and The Egyptian Atomic Power Organization, Cairo 1998.**

**-Fifth International Conference of Union of Arab Biologists, Cairo, Nov. 1998.**

**-International Conference of Zoology sponsored by the Egyptian - German society of**

 **Zoology, 1991, 1992, 1994& 1996.**

**-Annual conference of the Egyptian Society of Cytology and Histology, 1988, 1989, 1990**

**-Successfully completed the workshop of Electron Microscopy sponsored by the Electron**

 **Microscopy Unit, Assiut University, Assiut, Egypt, March 1998.**

**-Successfully completed the workshop of Immunology sponsored by the National Center of**

 **Research, Egypt, February 1992.**

**-Weekly Seminars sponsored by the Department of Zoology, University of Assiut, Egypt.**

**Research Interests:**

**- Molecular Biology, Transegenesis.**

**- Developmental Biology, Vertebrate Embryology, Experimental Embryology**

 **(Regeneration and Teratology).**

**- M. Sc. Thesis: “Regeneration of the hind limbs in stages of the Egyptian toad, *Bufo***

 ***regularis* Reuss, after transection at the knee joint”.**

**- Ph. D. Thesis: “Effect of electrical stimulation and Na Cl solution on regeneration of hind**

 **limbs in stages of the Egyptian toad, *Bufo regularis* Reuss”.**

- Ph. D. Theses supervised by me:

- Effect of citral and its interactions with Nigella sativa as antioxidant on the development of chick embryo. 2018, Assiut University.

- Assessment of the potential effects of retinoic acid and sildenafil of pregnant mice and their offspring. 2018, Al-Azhar University.

- Impact of photostimulation on chicken's embryos performance and development during incubation period. 2019, Alexandria University.

- M. Sc. Theses supervised by me:

- Nicotine induced developmental toxicity during chick embryogenesis. 2020, Assiut University.

- Morphological developmental studies on the caeca during pre and post hatching periods of the Japanese quail *Coturnix coturnix* *japonica*. 2019, Assiut University.

- Assessment of potential aflatoxin b1 induced congenital anomalies during mice embryonic development. 2019, South Valley University.

- Impact of co-treatment with retinoic acid on rescuing citral induce teratogenicity during chick embryo development. 2018, Assiut University.

- Congenital anomalies induced by aflatoxin b1 during chick embryo development. 2018, Assiut University.

- Assessment of arsenic trioxide effect and the potential protective effect of graviola during embryonic development of mice. 2018, Assiut University.

- Cadmium induced malformations and congenital anomalies during chick embryo development. 2018, Aswan University.

- Effect of ultraviolet irradiation on the embryonic development of the chick. 2015, Misurata University, Libya.

- teratogenic effects of the insecticide dimethoate on the embryonic development of the rabbit, *Oryctolagus cuniculus.* 2012, Misurata University, Libya.

- Effect of retinoic acid on the development of chick embryo. 2006, Assiut University.

- Effect of hormones on regeneration of the hind limbs of *Bufo regularis* Reuss. 2004, Cairo University.

**- I have supervised two summer projects for the biomedical students in Lund University,**

 **Sweden, 2001- 2003.**

**External Ph. D. theses referred by me:**

**- Adjudicator of the Ph. D. thesis of Abeer Atef Ahmed Talab entitled: "Experimental study on the effect of the fungicide penconazole on pregnant female White mice and their embryos". Sohag University, 2020 Egypt.**

**- Adjudicator of the Ph. D. thesis of Khalid Fathy Abdel-Ghany entitled: "Reproductive and developmental toxicity of Selenium nanoparticles in rat". Damietta University, 2019 Egypt.**

**- Adjudicator of the Ph. D. thesis of Nalla Jemimah entitled: "Community studies on leprosy endemic areas in Vizainagaram District, Andhara Pradesh, India". Andhara University, 2017 India.**

**External M. Sc. theses referred by me:**

**- Adjudicator of the M. Sc. thesis of Esraa Atef Abou El-ela, entitled: "Potential role of *Withania somnifera* root extract against bone defects in obese mother rats". Mansoura University, 2020 Egypt.**

**- Adjudicator of the M. Sc. thesis of Fatma Salah Abd Allah,entitled: "The ameliorative role of selenium against the possible toxicity induced by nalufin in the chick embryo". Menoufiya University, 2020 Egypt.**

**- Adjudicator of the M. Sc. Of Khadiga Omar entitled: "Protective role of pycnogenol against oxidative stress induced by repeated hypoglycemia in male rats". Misurata University, 2015 Libya.**

**Teaching Experience:**

* **I have taught the following courses in Lund University, Sweden:**
* **1-Cell Biology. 2- Developmental Biology (2001- 2003).**
* **I have taught the following courses in Assiut, Al-Azhar, New Valley and South Valley Universities:**
1. **Experimental Embryology and tissue culture.**
2. **Cell and Histology.**

**3- Embryology**

1. **Animal Physiology.**

**5- Animal Taxonomy.**

**6- Animal Comparative Anatomy.**

**7- Experimental Embryology and Origin of Species.**

**8- General Zoology.**

**- I have participated in teaching advanced biology program for elementary school teachers**

 **(1988-1999).**

**Memberships:**

**- Member of The Egyptian Zoological Society.**

**- Member of The Egyptian Society of Electron Microscopy.**

**- Member of The Union of Arab Biologists, Cairo.**

**- Member of The Egyptian - German Society of Zoology, Cairo.**

**- Member of The Egyptian Society of Cytology and Histology.**

**Miscellaneous:**

* **Married and have a son and three daughters.**
* **Have a clean driving license.**
* **Hobbies: Reading, traveling, camping, chess, swimming, ball games.**

**LIST OF PUBLICATIONS**

**-- Aalaa M. AbuAli, Doaa M. Mokhtar, Reda A. Ali, Ekbal T. Wassif and K. E. H. Abdalla (2019): Cellular elements in the developing caecum of Japanese quail (Coturnix coturnix japonica): morphological, morphometrical, immunohistochemical and electron-microscopic studies. Scientific Reports. 9:16241 | https://doi.org/10.1038/s41598-019-52335-x**

**-- Aalaa M. AbuAli, Doaa M. Mokhtar, Reda A. Ali, Ekbal T. Wassif and K. E. H. Abdalla (2019): Morphological Characteristics of the Developing Cecum of Japanese Quail (*Coturnix coturnix japonica*).** **Microscopy and Microanalysis, 1–15. doi:10.1017/S1431927619000655.**

**-- Ali, R. A.; Wassif, I. T.; Al-Mokhtar, M.A., Mostafa, D. F.and Abdel-Raoof, D. A. (2019):**

 **Aflatoxin b1 induces morphological anomalies during chick embryo development.**

 ***Assiut Univ. J. of Zoology Special Issue 1(1), pp. 31-42*.**

**-- Ali, R. A.; Mostafa, D. F. and** **Aboulqasem, H. S. (2019):** **The effect of co-treatment with retinoic acid on rescuing citral induced morphological anomalies during chick embryo development. *Assiut Univ. J. of Zoology Special Issue 1(1), pp. 43-59*.**

**-- Ali, R. A.; Hanem S. Abdel-Tawab and Dalia Elzahraa, F. Mustafa (2018):** **Citral induces skeletal anomalies during chick embryo development.** **Assiut Univ. J. of Zoology, 47 (2): 51-70.**

**-- Ali, R. A.; Hanem S. Abdel-Tawab and Dalia Elzahraa, F. Mustafa (2018):** **ROS generation in the developing chick embryo by citral and the mitigative effect of *Nigella sativa*.**  **European Journal of Biomedical and Pharmaceutical sciences, 10 (5): 72-83.**

**-- Ali, R. A.; Hanem S. Abdel-Tawab and Dalia Elzahraa, F. Mustafa (2018):Nigella sativa Mitigative Antioxidant Properties against Citral Induced Oxidative Stress and Biochemical changes during Development of Chick Embryo.****Biological Forum – An International Journal, 10(2): 74-85.**

**- Ali, R. A.; Hanem S. Abdel-Tawab and Dalia Elzahraa, F. Mustafa (2017): ROS fluctuations in developing chick embryo due to inhibition of retinoic acid by citral and the protective effect of Nigella sativa. 3rd International Conference on New horizons in Basic and Applied Sciences (ICNHBAS2017). 2-5 August 2017, Hurghada, Egypt.**

**- Ali, R. A. (2012): α- Tocopherol mitigates ethanol induced malformations and cell damage in the eye and brain of chick embryo. J. Basic. Appl. Zool., (65): 166-183.**

**- Ali, R. A. (2012): A single ethanol dose induces malformations and retinal cell death in the chick embryo. J. Egypt. Ger. Soc. Zool., 64 (B): 73-94.**

**- Ali, R. A.; El-Ghareeb, A. A. and Hamdy, H. (2007): Hormonal control in regeneration: VII- Optimizing a suitable combination to enhance limb regeneration in metamorphic stages of the Egyptian toad, Bufo regularis Reuss. (The 17th Conference of Egypt. Ger. Soc. Zool. In Desseldurf University, Germany August 2007).**

**- Ali, R. A. and Mostafa, D. F. (2007): Retinoic acid as a teratogen: VI- Different doses induce eye coloboma during development of the chick embryo. 1st Annual Conference for Young Scientists. Basic Science & Technology, Fac. Sci., Assiut Univ., May 5-6, 2007.**

**- Ali, R. A.; Wassif, E. T. and Mostafa, D. F. (2007): Retinoic acid as a teratogen: IV- Disturbance of patteren formation in the developing chick embryo J. Egypt. Ger. Soc. Zool., 52 (B): 33 - 56.**

**- Ali, R. A.; Wassif, E. T. and Mostafa, D. F. (2007): Retinoic acid as a Teratogen: V-Differential effect of different concentrations on the chick embryo. J. Egypt. Ger. Soc. Zool., 52 (B): 12-32.**

**- Ali, R. A.; Wassif, E. T. and Mostafa, D. F. (2007): Retinoic acid as a Teratogen: III- axial shift and degeneration of nervous structures in the developing chick embryo. J. Egypt. Ger. Soc. Zool., 52 (B) : 57- 82.**

**- Ali, R. A. (2007): Retinoic acid as a teratogen: II- Melanogenesis enhancement and morphogenetic changes in the retinal pigment epithelial cells of the chick embryo. Assiut Univ. J. Zool., 36 (1): 21 – 41.**

**- Ali, R. A. (2007): Retinoic acid as a Teratogen: I- Cell death in photoreceptors of chick embryo. Assiut Univ. J. Zool., 36 (1): 1- 20.**

**- Ali, R. A. (2006): Ultrastructural studies on the early differentiation of the retinal cells of chick embryo with reference to ciliogenesis and mitochondriogenesis. J. Egypt. Ger. Soc. Zool., 51 (B): 35-52.**

**- Mellenthin, K.; Fahmy, K.; Ali, R. A.; Hunding, A.; Da Rocha, S. and Baumgartner S.(2006): Wingless signaling in a large insect, the blowfly Lucilia sericata: a beautiful example of evolutionary developmental biology. Dev. Dyn., 235: 347 – 360.**

**- Ali, R. A.; Mellenthin, K.; Fahmy, K.; Da Rocha, S. and Baumgartner, S. (2005): Functional dissection of the blowfly slalom gene shows a high degree of conservation to Drosophila. Dev. Genes Evol., 215: 537 - 544.**

**- Ali, R. A.; El-Ghareeb, A. A. and Hamdy, H. (2005): Hormonal control in regeneration: VI-Growth hormone enhances limb regeneration in metamorphic stages of the Egyptian toad, *Bufo regularis* Reuss. J. Egypt. Ger. Soc. Zool., 47(B): 29-48.**

**- Ali, R. A.; El-Ghareeb, A. A. and Hamdy, H. (2005): Hormonal control in regeneration: V- Correlation between the enhancing effect of insulin and stage of metamorphosis in tadpoles of the Egyptian toad, *Bufo regularis* Reuss. J. Egypt. Zool. Soc. (accepted)**

**- Ali, R. A.; El-Ghareeb, A. A. and Hamdy, H. (2004): Hormonal control in regeneration: IV- thyroxine failed to enhance limb regeneration in metamorphic stages of the Egyptian toad, *Bufo regularis* Reuss. J. Union Arab Biol. Cairo, 22 (A): 229 - 252.**

**- Ali, R. A. (2000): Ultrastructure of regenerating skin in a larval stage of the Egyptian toad, *Bufo regularis* Reuss. J. Egypt. Ger. Soc. Zool., 31(B): 1-16.**

**- Ali, R. A. (2000): Hormonal control in regeneration. II-Enhancement of limb regeneration in tadpoles of the Egyptian toad, *Bufo regularis* Reuss under combined effect of insulin and electrical stimulation. J. Egypt. Ger. Soc. Zool., 31(B): 17-34.**

**- Ali, R. A. and Makhlouf, S. A.(2000): Enhancement of hind limb regeneration in the toad, *Bufo regularis* Reuss via alternating current stimulation. J. Egypt. Ger. Soc. Zool., 31(B): 35-49.**

**- Ali, R. A. (1999): Ultrastructural studies of muscles during limb regeneration of young larval stage of the toad, *Bufo regularis* Reuss. J. Union Arab Biol., Cairo, 11 (A): 251-262.**

**- Ali, R. A. (1999): Ultrastructural studies on mitochondria during limb regeneration in a larval stage of the Egyptian toad, *Bufo regularis* Reuss. Bull Fac. Sci., Assiut Univ., 28 (2-E): 75-87.**

**- Hassanein, A. M. M. and Ali, R. A. (1999): Hormonal control in regeneration. III- Histochemical studies on hind limb regeneration in tadpoles of the Egyptian toad, *Bufo regularis* Reuss under combined effect of insulin and electrical stimulation. Bull Fac. Sci., Assiut Univ., 28 (2-E): 89-102.**

**- Ali, R. A. (1998): A comparative study on the effect of alternate and direct electrical currents on hind limb regeneration in the Egyptian toad, *Bufo regularis* Reuss. J. Union Arab Biol., Cairo, 10 (A): 519-535.**

**- Ali, R. A. (1997): “ Evocation of hind limb regeneration in a metamorphic stage of the Egyptian toad *Bufo regularis* Reuss, by electrical stimulation after transection at the knee joint level”. J. Egypt. Ger. Soc. Zool., 22 (B): 43- 67.**

**- Ali, R. A. (1996): “Hormonal control in regeneration: I - Effect of insulin on hind limb regeneration of tadpoles of the Egyptian toad, *Bufo regularis* Reuss”. J. Egypt. Ger. Soc. Zool., 20 (B):61-81.**

**- Wassif, E. T. and Ali, R. A. (1996): “Structure of the oral disc of the tadpoles of the Egyptian toad, *Bufo regularis* Reuss”. J. Egypt. Ger. Soc. Zool., 20 (B):83-102.**

**- Michael, M. I.; Hassanien, A. M. M.; Aziz, F. K. and Ali, R. A. (1995): “Effect of electrical stimulation on limb regeneration after transection at the thigh level in metamorphic stage of *Bufo regularis”.* Wound Repair and Regeneration, 3(1):113.**

**- Michael, M. I.; Hassanien, A. M. M.; Aziz, F. K. and Ali, R. A. (1994): “Electrical stimulation of the hind limb regeneration in a metamorphic stage of the Egyptian toad, *Bufo regularis* Reuss, after transection at the shank level”. J. Egypt. Ger. Soc. Zool., 15 (B): 29-45.**

**- Michael, M. I.; Hassanien, A. M. M.; Aziz, F. K. and Ali, R. A. (1994): “Histochemical studies on regeneration of hind limbs in a climactic metamorphic stages (57) of the Egyptian toad, *Bufo regularis* Reuss under the combined effect of both electrical stimulation and sodium chloride solution”. Bull. Fac. Sci., Assiut Univ., 23(1-E): 35-58.**

**- Michael, M. I.; Hassanien, A. M. M.; Aziz, F. K. and Ali, R. A. (1994): “Effect of electrical stimulation on regeneration of hind limbs in stages of the Egyptian toad, *Bufo regularis* Reuss after transection at the thigh level”. J. Egypt. Ger. Soc. Zool., 14 (B): 29-58.**

**- Michael, M. I.; Hassanien, A. M. M.; Aziz, F. K. and Ali, R. A. (1994): “Effect of electrical stimulation on regeneration of hind limbs in stages of the Egyptian toad, *Bufo regularis* Reuss after transection at the shank level”. J. Egypt. Ger. Soc. Zool., 14 (B): 1-28.**

**- Michael, M. I.; Hassanien, A. M. M.; Aziz, F. K. and Ali, R. A. (1993): “Histochemical studies on regeneration of hind limbs in premetamorphic and metamorphic stages of the Egyptian toad, *Bufo regularis* Reuss under the effect of electrical stimulation”. Bull. Fac. Sci., Assiut Univ., 22(2-E): 85-107.**

**- Michael, M. I.; Hassanien, A. M. M.; Aziz, F. K. and Ali, R. A. (1992): “Hind limb histogenesis and regeneration in newly metamorphosed toadlets, *Bufo regularis* Reuss, after transection or disarticulation at the knee joint level”. Acta Biol. Exper. Sinica, 25(4):359-367.**

**- Michael, M. I.; Hassanien, A. M. M.; Aziz, F. K. and Ali, R. A. (1992): “Hind limb regeneration in larvae and metamorphic stages of the Egyptian toad, *Bufo regularis* Reuss. III- Transection at the knee joint level”. J. Egypt. Ger. Soc. Zool., 8(B): 477-491.**

**- Hassanien, A. M. M.; Aziz, F. K. and Ali, R. A. (1991): “Histochemical studies on regeneration of the hind limbs in stages of the Egyptian toad, *Bufo regularis* Reuss after transection at the knee joint”. J. Egypt. Ger. Soc. Zool., 5:153-163.**