Curriculum Vitaé

I. Personal Particulars:

Kotb Attia, PhD-Genetic Engineering& Functional Genomics

Name: KOTB ATTIA
Date of Birth: January 1st, 1973
Nationality: Egyptian
Field: Genetic Engineering
Last Position: Associate Professor of Genetic Engineering and Functional Genomics, College of Life Science, Niigata University, Niigata, Japan.
Current Position: Associate Professor of Biotechnology, Science College, King Saud University, Riyadh, SA
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II. Languages Proficiency:

Language	Level
Arabic	Native
English	Excellent
Chinese	Good
Japanese	Fair

III. Academic Qualifications:

Degree /Course	University	Country	Field	Year
Post Doc	Toronto University	Toronto, Canada	Genomics and Bioinformatics	2015
Post Doc	Melbourne University	Melbourne, Australia	Genetic Engineering & Functional Genomics	2013
Post Doc JSPS	Niigata University	Niigata, Japan	Genetic Engineering & Functional Genomics	2010-2012
Post Doc	National University of Singapore	Samoa, Singapore	Genetic Engineering & Functional Genomics	2005
Ph.D.	Fudan University	Shanghai, China	Genetic Engineering & Functional Genomics	2005
M.Sc.	Zhejiang University	Hangzhou, China	Molecular Genetics	2001
B.Sc.	Tanta University	Tanta, Egypt	Genetics/Molecular Genetics	1995

IV. Employment History:

Dates	Institution	Position
2017- until now	Science College, King Saud University, KSA	Associate Professor of Genetic Engineering and Functional Genomics
2015- 2017	Molecular Breeding and Biotechnology Unit, Genetic Engineering Research Institute, Egypt.	Associate Professor of Genetic Engineering and Functional Genomics
2014- 2015	Genetic Engineering and Bioinforamtic Center, Toronto University, Toronto, Canada	Associate Professor of Genetic Engineering and Functional Genomics
2013- 2014	Biotechnology Lab., Genetic Engineering Research Institute, Cairo, Egypt.	Associate Professor of Gene Engineering and Functional Genomics
2012 –2013	Genomics Center, Melbourne University, Melbourne, Australia	Associate Professor of Gene Engineering and Functional Genomics
2010- 2012	College of Life Science and Technology, Niigata University, Japan	Associate Professor of Gene Engineering and Functional Genomics
2006- 2009	Biotechnology Lab., Genetic Engineering Research Institute, Cairo, Egypt.	Assistant Professor of Genetics Engineering and Functional Genomics
2001-2004	College of Life Science, Fudan University, China.	Researcher of Genetics Engineering and Functional Genomics
1998-2001	College of Biotechnology, Zhejiang University, China.	Associate Researcher of Plant Molecular Genetics
1996-1998	Biotechnology Lab., Genetic Engineering Research Institute, Sadat City University, Egypt. .	Demonstrator of Genetics and Plant Breeding

III. Academic Qualifications and Training Courses:

Degree /Course	University	Country	Field	Year
Training Course	**World Intellectual Property Organization (WIPO)**	**Egypt (Online)**	**Intellectual Property Rights**	**2013**
Visiting Professor	Melbourne University	Melbourne, **Australia**	Genetic Engineering & Functional Genomics	**2011**
Post Doc JSPS	Niigata University	Niigata, **Japan**	Genetic Engineering & Functional Genomics	**2010**
Visiting Researcher	Singapore National University	Samoa, **Singapore**	Genetic Engineering & Functional Genomics	**2005**

Ph.D.	Fudan University	Shanghai, **China**	Genetic Engineering & Functional Genomics	**2005**
M.Sc.	Zhejiang University	Hangzhou, **China**	Molecular Genetics	**2001**
B.Sc.	Tanta University	Tanta, **Egypt**	Genetics/Molecular Genetics	**1995**

V. Scholarships and Awards:

- 2014-2015: TUP (Toronto University Positions) Visiting Professor, Toronto University, Canada.
- 2012 -2013 (Sept): MUA (Melbourne University Award) for Visiting Scientists, Melbourne University, Australia.
- 2010-2012: JSPS (Japan Society of Promotion of Science) Post Doctorate Fellowship, Niigata University, Japan.
- 2004-2005: SNUA (Singapore National University Award) Visiting Researcher, Singapore National University, Singapore.
- 2001-2004: CSC (China Scholarship Council) PhD Fellowship, Fudan University, Shanghai, China.
- 1998-2001: ISF (International Scholarship for Foreigners) MSc, Fellowship, Zhejiang University, China.

VI. Duties and Research Interest:

1. Functional Genomics and Metabolomics Techniques of plants and microorganisms genomes
2. Cloning, Identification, and Expression of economical genes from multi-organisms
3. Genetically Engineered of Micro-organisms for Bio-products and Biofuel productions
4. Utilization of Molecular Biology and Proteomic techniques to improve the protein quality and function of food crops Medical plants Bio-products
5. Utilization of Bioinformatics Software for primer designation and comparative genomics

VII. Invited Speaker:

1. Presentation about " *Plant Genomics for Solving World Food Security*" at the 7th Congress of World Plant Council, Toronto University, Ontario Campus, Ontario, Canada, September/2015.
2. Presentation about " *Human Genome: Current Status and Future Prospects*" at the 28th Annul Tanta Faculty of Medicine Conference, Tanta, Egypt, March/2013.
3. Presentation about *SUMO genes expression* for International Congress of Botany, Melbourne,

Australia, July/2011.

4. Lecturer about *Rice Genome* for African Researchers, held in Field Crops Research Institute, Kafrelshiekh, Egypt, June/2011.
5. Lecture about *Gene Engineering and Functional Genome* for Japanese Post-graduate Students, held at Life Science College, Niigata University, Japan, February/2011.
6. Lecture about *Genetic Transformation* for undergraduate Students, held at Tanat University, Egypt, April/2009.
7. Lecture about *Biotechnology* for Graduate Students, held at Alexandria University, Egypt May/2008.
8. Lecture about *Genetic Engineering* for Graduate Students, held at Kafrelsheikh University, Egypt, October/2006.
9. Lecturer about *Plant Molecular Genetics* to International Fellowships students, held at College of Life Science, Fudan University, China, April/2005.
10. Lecture about *Plant Genetics and Breeding* to Chinese Undergraduate Students, held at Institute of Plant Breeding and Biotechnology, Zhejiang University, China, July/2001

VIII. Research Experiences:

I have extensive experience with the following techniques:

1. ***Plasmids Designation and construction****:* DNA Plasmid minipreps, maxipreps, genomic DNA extraction of bacteria, plants and animals, DNA digestion, DNA sub-cloning, PCR, quantitative PCR, library construction, Southern blot, Suppression Subtractive Hybridization (SSH), RACE, RAPD, AFLP and Electrophoresis Systems.
2. ***RNA and Transcriptome Analysis:*** Total RNA and mRNA preps, Northern blot, in vitro transcription, RT-PCR, RNA in situ Hybridization, Transcriptome structure and analysis.
3. ***Proteomic Analysis:*** Protein study with SDS-PAGE and native PAGE, Western blot, bacterial expression, ELISA, Mass spectrometry (MS); Protein-protein interaction on a global level; Kinasome: global profiles of protein kinases and substrates; RNAi and miRNAs; two-dimensional gel electrophoresis; 2D-chromatography; High performance liquid chromatography (HPLC); Capillary electrophoresis (CE).
4. ***Genomic Library and Gene Bank Construction:*** Construction and screening genomic and cDNA library, subtractive cDNA library for gene bank construction.
5. ***Gene Engineering Techniques:*** Gene cloning, transformation using *Agrobacterium tumefaciens* and particle bombardment techniques, construction of recombinant vectors, cell microinjection, transgenic plant, and bacteria, related detection techniques.
6. ***Functional genomics:*** An expert to study the functional genomics Techniques such as: DNA microarrays and SAGE for mRNA; siRNA and cDNA transfection into cells testing the function of individual or libraries of genomic reagents in cell-based experiments;

Functional genomics using whole genome mutagenesis; Single Nucleotide Polymorphisms (SNPs); Chromatome: Genome-wide mapping of protein-DNA interactions.

7. ***Bioinformatics:*** electronic-cloning, using bioinformatics software such BLAST, BLASTX, BLASTN, GenScan, SWISS-PROT, DNAssist and Primer Premier, ClustalX and data clustering, primers designation for cloning and vector construction, artificial neural networks; other Bioinformatics-software, familiar with webs-based biological resources to do bioinformatics analysis, designation of Bioinformatics-software and Bioinformatics-websites.
8. ***Tissue Culture Technique:*** An expert in many tissue culture techniques for wide range of plant species including medical, herbs, aromatic plants. Tissue culture techniques such anther, embryo and young tissue cultures. An expert in producing Double Haploid Lines (DHL) for specific breeding program of interest traits. Also have a good knowledge of different media culture preparations.
9. ***Molecular marker technology*:** An expert in molecular marker technology, e.g. random fragment length polymorphism (RFLP), random amplified polymorphic DNA (RAPD), amplified fragment length polymorphism (AFLP), sequence-tagged site (STS), markers, simple sequence repeat (SSR) markers, microsatellites, and Marker-aided selection (MAS). Using molecular marker technology to detect numerous genes of economic importance, such as those for disease and insect resistance, also for abiotic stress such drought, salinity and grain quality using MAS markers. Using MAS to help overcome interference from interactions between different alleles of a locus or of different loci. Also using MAS for selection, especially for traits which are difficult to phenotype.
10. ***Electronic and Laser Microscopies:*** An expert in using electronic Microscopy for study the functional and micro-metabolism of the genes in the Cells. In addition, an expert in using Laser and Fluorcent Microscopy for study the localizations of the genes in the Cell by detecting Green and Red Fluorcent Proteins (GFP/RFP).
11. ***Experimental Design and Data Analysis:*** Designing experiments in field, laboratory and in silico using computer programs, and different methods and softwares analysis. Also I am familiar with many statistical programs for computer data analysis.

IX. Teaching Experience:

Good experience for teaching course such as:
Genetics from Genes to Genomes, Genetic Engineering, Gene Cloning and DNA Analysis, Functional Genomics, Microbial Genetics, Bioinformatics

X. Professional Leadership:

(a) *Membership of professional bodies/learned societies*

1. International Society of Biotechnology
2. Japanese Society of Molecular Biology
3. Japanese Society for Plant Cell and Molecular Biology
4. International Society of Molecular Plant-Microbe Interactions

5. World Forum on Climate Change, Agriculture and Food Security
6. Egyptian Society of Experimental Biology
7. Egyptian Society of Genetics
8. Chinese Society of Natural Science

(b) *Membership to Editorial Board*

1. *M*ember of the Editorial Board of International Journal of Agriculture Science
2. *M*ember of the Editorial Board of the Asia Journals of Biological Science
3. *M*ember of the reviewer board of Integrative Plant Biology Journal
4. *R*eviewer of National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Egypt
5. *M*ember of World Intellectual Property Organization (WIPO), Geneva, Switzerland

XI. Conferences Attended & Academic Activities:

1. International Congress of World Plant, Toronto University, Ontario, Canada, September/2016.
2. International workshop on Plant Proteomics, Niigata University, Japan, September, 2013
3. International Botanical Congress, Melbourne, Australia 23-30 July 2012
4. International Symposium on Applied Science and Technology, Japan Society of Promotion of Science, Tokyo, Japan, 12-15 October, 2011.
5. International workshop on Genetic Engineering and Biotechnology, National Research Center, Cairo, Egypt, 3-5 November, 2009.
6. Italian-Egyptian workshop on Biotechnology, Genetic Engineering Institute, Cairo, Egypt, 20-23, October, 2009.
7. The Sixth International Conference on Plant Breeding, Suez Canal University, Ismailia, Egypt, 3-5 May, 2009.
8. The First International Conference on Biotechnology, Centre of Excellence of Biotechnology, King Saud University, Riyadh, Saudi Arabia, 16-18 February, 2009.
9. International Workshop on Development of Forage for Animal Feed and Biofuel Production, Agricultural Genetic Engineering Research Institute, Agricultural Research Centre, Cairo, Egypt, 16-19 November, 2008.
10. International Workshop on Nanobiotechnology, Science College, Cairo University, Egypt, 8-9 November, 2008.
11. International Workshop on Rice Science, August 23-25, 2008,Alexandria, Egypt
12. International Symposium on Medicinal plants, August 16-18, 2008, Giza, Egypt
13. International Workshop on Molecular Biology and Bioinformatics, Genetic Engineering and Biotechnology Research Institute, Menoufia University, Egypt, 9-11 January, 2007.
14. Genetic Resources Policy Initiative (GRPI), Agriculture Genetic Engineering Research Institute, Cairo, Egypt, 29-31 August 2006.
15. The International Workshop on Development of Biotechnology in Islamic Countries Sharing Experience on Issues and Challenges, Agriculture Genetic Engineering Research Institute, Cairo, Egypt, 6-8 March, 2006.

16. International Workshop on Plant Functional Genomics, Genetic Engineering & Biotechnology Research Institute, Menoufia University, Egypt, January 21-26, 2006.
17. Participated in a workshop about "Current Techniques and data analyses for teaching and research in biotechnology." Genetics Institute, Fudan University, Shanghai, China, 18-25, August, 2005.
18. National Symposium on Bioinformatics, Genetics Institute, Fudan University, Shanghai, China, 2-17, December, 2004.
19. The International Centre for Genetic Engineering and Biotechnology (ICGEB) Workshop on "Science & Policy in Risk Assessment of Transgenic Plants, Shanghai, China 20-23 November 2004.
20. The 2nd International Plant Functional Genomics Congress, Shanghai, China,15-19 March 2004.
21. The 7th APEC Agricultural Biotechnology Workshop: Environmental Safety and Food Safety, Beijing, China. 29 Nov – 9 Dec 2003.
22. National Workshop on Plant Biotechnology Advanced and Future, at Genetics Institute, Zhejiang Academy of Science, Hangzhou, China, 17-25, October, 2003.
23. The 3rd International Symposium on Genetically Modified Plants, Beijing, China, 10-13 November, 2002.
24. International Workshop on Regional Co-operation in Conservation and Management of Plant Genetic Resources in the Asian countries, Louts International Hotel, Shanghai, China, 28-30 May 2001.
25. International Conference on Genetics and its Impact on Medical Practice of Asia Countries. Zhejiang University, Hangzhou, China, 8-11 August 2000.

XII. Scientific Achievements:

h index: 10	Total Citations: 319	Total publications: 33

XIII. Selected Publications in International Journal with Impact Factor:

1. Khaled Abdelaal, **Kotb Attia**, Salman Alamery, and *et al*., **(2020)**. Exogenous Application of Proline and Salicylic Acid can mitigate the Injurious Impacts of Drought Stress on Barley Plants Associated with Physiological and Histological Characters. ***Sustainability***, 12(5): 1-15.
2. Yaser Hafez, Rasha Mourad, El-Baghdady Nasr, **KOTB Attia**, and *et al.*, **(2020)**. Biochemical and molecular characterization of non-host resistance keys in food crops. ***Saudi Journal of Biological Sciences***, (in press).
3. ALAMERY Salman and **ATTIA Kotb**. **(2019)**. Structural and Functional Characterization of Tomato *SUMO1* Gene. ***Suadi Journal of Biological Science***s, October, 27: 352-357.
4. **Attia Kotb**, Samia Ismail, Itoh Kimito, and et al., **(2019)**. Increased CD5+ B-cells are associated with autoimmune phenomena in lepromatous leprosy patients. ***Journal of Infection and Public Health*** (12):656-659.

5. Abdelfattah Selima, **Kotb Attia**, Eman Ramad and et al., **(2019)**. Seroprevalence and molecular characterization of Brucella species in naturally infected cattle and sheep. ***Preventive Veterinary Medicine***, (171) 104756.

6. **Attia, K**; El-Abassawi, NM; El-Olemy, A; Abdelazim, AH. **(2018)**. Second derivative spectrophotometric and synchronous spectrofluorometric determination of lesinurad in the presence of its oxidative degradation product. ***NEW JOURNAL OF CHEMISTRY***, 42 (2), 995-1002.
7. Lawson-Ananissoh, LM; **Attia, K**; Diallo, D; Doffou, S; *et al.*, **(2017)**. Distribution and Clinical Implications of the Genotypes of the Hepatitis B Virus in 33 Chronic Carriers of Hepatitis B Virus in Cote-d'Ivoire. ***JOURNAL AFRICAIN D HEPATO-GASTROENTEROLOGIE***, 11(3), 116-120.
8. Doffou, AS; Kissi-Anzouan, KH; Bangoura, AD; **Attia, K**; Allah KE ; *et al.* **(2016)**. Evaluation of a new serological test (Pylorix (R)) in a high prevalence area of infection with Helicobacter pylori. ***Journal African D Hepato-Gastroenterologie,*** 10(2): 61-65.
9. Diakite, M; Toth'o, A; Assi, C; Bathaix, FM; Kone, S; Bangoura, D; Kone A; Ouattara A; **Attia K**, **(2016)**. Epidemiological and prognostic factors involved in upper gastrointestinal bleeding in Cote d'Ivoire: results of a prospective observational multicenter study. ***Journal Africain D Hepato-Gastroenterologie,*** 10(2): 80-84.
10. Yao-Bathaix MF; Bouglouga O; Okon AJB; Bangoura AD; Doffou S; Kouame DH; **Attia, K**; Ndri-Yoman AT., **(2015).** Practices of paramedical staff in hospital's environment in Abidjan (Ivory Coast) facing the risk of hepatitis B's contamination by occupational accidents. ***Journal Africain D Hepato-Gastroenterologie,*** 9(4): 184-188.
11. **Attia, K**; and Monem OA, **(2015)**. Effect of different dietary levels of inorganic zinc oxide on ovarian activities, reproductive performance of Egyptian Baladi ewes and growth of their lambs. ***Reproduction In Domestic Animals,*** 50(SI-3): 44-44.
12. Bathaix MFY; **Attia, K**; Bagny, A; Bangoura, DA; Mahassadi, KA; et al., **(2015)**. Knowledge level of midwives on preventing transmission of mother to child hepatitis B at Abidjan (Ivory Coast). ***Journal Africain D Hepato-Gastroenterologie,*** 9(1):22-25.
13. **Attia, K**; Hamam, AM. **(2014)**. Effect of different types of cryoprotectants on developmental capacity of vitrified-thawed immature buffalo oocytes. ***Reproduction in Domestic Animals***, 49(3):55-55.
14. **Attia, K**; Kandil, M. **(2013)**. Antioxidant capacity of follicular fluid in relation to follicular size and stage of estrous cycle in buffaloes. ***Reproduction In Domestic Animals***, 48(1): 108-109.
15. **Attia, K**; Abo-El Maaty, A. **(2012)**. Follicular fluid composition in relation to ovarian status in dromedary camels (Camelus dromedarius). ***REPRODUCTION IN DOMESTIC ANIMALS***, 47(5): 75-75.
16. Nuruzzaman, M; Sharoni, AM; Satoh, K; Moumeni, A; **Attia, K**; Kikuchi, S. **(2012)**. Comprehensive gene expression analysis of the NAC gene family under normal growth conditions, hormone treatment, and drought stress conditions in rice using near-isogenic lines (NILs) generated from crossing Aday Selection (drought tolerant) and IR64. ***MOLECULAR GENETICS AND GENOMICS***, 287(5): 389-410.
17. Sharoni, AM; Nuruzzaman, M; Satoh, K; Moumeni, A; **Attia, K**. **(2012)**. Comparative transcriptome analysis of AP2/EREBP gene family under normal and hormone treatments, and under two drought stresses in NILs setup by Aday Selection and IR64. ***MOLECULAR GENETICS AND GENOMICS,*** 287(1): 1-19.
18. Hoque, MA; **Attia, K**; Alattas, O; Merican, AF. **(2011)**. Metabolic flux distribution and mathematical models for dynamic simulation of carbon metabolism in Escherichia coli. ***AFRICAN JOURNAL OF BIOTECHNOLOGY***, 10(12): 2340-2352.

19. **Attia, K**; Abdelkhalik, AF; Ammar, MH; Wei, C; Yang, J; Lightfoot, DA; *et al*. **(2009)**. Antisense Phenotypes Reveal a Functional Expression of OsARF1, an Auxin Response Factor, in Transgenic Rice. ***CURRENT ISSUES IN MOLECULAR BIOLOGY***, 11(I):29-34.
20. **Attia, K**; Ackoundou-Nguessan, K; Ndri-Yoman, A; et al. **(2008)**. Child-Pugh-Turcott versus Meld score for predicting survival in a retrospective cohort of black African cirrhotic patients. ***WORLD JOURNAL OF GASTROENTEROLOGY***, 14(2): 286-291.
21. Hong, F; **Attia, K**; Wei, C; Li, KG; He, GM; Yang, JS. **(2007)**. Overexpression of the rFCA RNA recognition motif affects morphologies modifications in rice (Oryza sativa L.). ***BIOSCIENCE REPORTS***, 27(4-5): 225-234.
22. Su, W; Wu, JX; Wei, C; Li, KG; **Attia, K**; Yang, JS. **(2006)**. Interaction between programmed cell death 5 and calcineurin B-like interacting protein kinase 23 in Oryza sativa. ***PLANT SCIENCE***, 170(6). 1150-1155.
23. Li, KG; Yang, JS; **Attia, K**; Su, W; He, GM; Qian, XY. **(2005)**. Cloning and characterization of OsORC2, a new member of rice origin recognition complex. ***BIOTECHNOLOGY LETTERS***, 27(18): 1355-1359.
24. **Attia, K**; Li, KG; Wei, C; He, GM; Su, W; Yang, JS. **(2005)**. Overexpression of the OsPDCD5 gene induces programmed cell death in rice. ***JOURNAL OF INTEGRATIVE PLANT BIOLOGY***, 47(9): 1115-1122.
25. **Attia, K**; Li, KG; Wei, C; He, GM; Su, W; Yang, JS. **(2005)**. Transformation and functional expression of the rFCA-RRM2 gene in rice. JOURNAL OF ***INTEGRATIVE PLANT BIOLOGY***, 47(7): 823-830.
26. Taghian, AG; Abi-Raad, R; Assaad, SI; Casty, A; **Attia, K**; Sullivan, T. **(2005)**. Paclitaxel decreases the interstitial fluid pressure and improves oxygenation in breast cancers in patients treated with neoadjuvant chemotherapy: Clinical implications. ***JOURNAL OF CLINICAL ONCOLOGY***, 23(9): 1951-1961.
27. Taghian, A; Raad, RA; Assaad, S; Casty, A; Ancukiewicz, M; Yeh, E (Yeh, E); **Attia, K, (2004)**. Paclitaxel improves oxygenation and decreases the interstitial fluid pressure in breast cancers in patients treated with neoadjuvant chemotherapy. ***RADIOTHERAPY AND ONCOLOGY***, 73(IS): 327-328.
28. Lin, CF; Wei, C; Jiang, LZ; Li, KG; Qian, XY; **Attia, K**; Yang, JS. **(2004)**. Isolation, characterization and expression analysis of a leaf-specific phosphoenolpyruvate carboxylase gene in Oryza sativa. ***DNA SEQUENCE***, 15(4): 269-276.
29. Lin, CF; Jiang, RH; Jiang, LZ; Qian, XY; **Attia, K**; Yang, JS. **(2004)**. Cloning, characterization and prokaryotic expression of cytosolic malate dehydrogenase from Oryza sativa. ***DNA SEQUENCE***, 15(4): 314-318.
30. Shen, GA; Pang, YZ; Lin, CF; Wei, C; Qian, XY; Jiang, LZ; **Attia, K**; Yang, JS. **(2003)**. Cloning and characterization of a novel Hsp100/Clp gene (osClpD) from Oryza sativa. ***DNA SEQUENCE***, 14(4):285-293.
31. **Attia, K**; N'dri-Yoman, T; Sawadogo, A; Faye-Kette, H; *et al*. **(2002)**. Spontaneous ascitic fluid infection in patients with cirrhosis: a prospective evaluation of two ascitic fluid culture methods. ***MEDECINE ET MALADIES INFECTIEUSES***, 32(4): 184-189.
32. **Attia, K**; N'dri-Yoman, T; Sawadogo, A. **(2001)**. Spontaneous ascitic Infection among black Africans with cirrhosis. A descriptive study of 12 cases. ***BULLETIN DE LA SOCIETE DE PATHOLOGIE EXOTIQUE***, 94(4): 319-321.
33. **Attia, K**; Yoman, TN; Diomande, MI; *et al*. **(2001)**. Clinical, endoscopical and histological aspects of Helicobacter pylori in Cote d'Ivoire: study of 102 cases. ***BULLETIN DE LA SOCIETE DE PATHOLOGIE EXOTIQUE***, 94(1): 5-7.

34. **Attia, K**; Zaki, AA; Eilts, BE; Paccamonti, DL; *et al*. **(2000)**. Anti-sperm antibodies and seminal characteristics after testicular biopsy or epididymal aspiration in dogs. ***THERIOGENOLOGY***, 53(6): 1355-1363.
35. El-Harairy, MA; Gabr, AA; **Attia, K**. **(1998)**. Prenatal development of the camel (Camelus dromedarius) kidney: Morphogenesis of metanephros. ***JOURNAL OF CAMEL PRACTICE AND RESEARCH***, 5(1): 111-114.
36. **Attia, K**; Mohamed A Abdel-Wahab, Abdullah M Elgorban, **(2016)**. Biofuel Production from Biomass using Engineered *Escherichia coli*. ***Metabolic Engineering***, Oct, 3(7): IS3-SI12.
37. Tomoyo San, **Attia, K**, Takahash Mice, and Kimiko Itoh. **(2012)**. Expression Analysis of SUMO Genes in Plants. ***Japanese Journal of Plant Science***. October, 2(1): 5-14.
38. **Attia, K**, Yufeng W., Xiaojun Z., and Jinshui Y. **(2009)**. Down-Regulation of the *OsPDCD5* Gene Induced Photoperiod-Sensitive Male Sterility in Rice. ***Nature Methodology Proceeding***, Jun, 4, 2009: 1-10.
39. **Attia, K**, ME Eldenary, MH Elmalky, FA Amr and ME Wagih **(2008)**. Ectopic Expression of a Gene Encoding RRM2 Increases Grain Mass in Transgenic Rice. ***International Journal of Genetics***, 37, 153-162.
40. Megahed Ammar, Amr Abdelkhalik, **Attia, K**, and *et al*. **(2009)**. Molecular Profiling of Egyptian Rice Varieties Using DNA Markers. ***Journal of Genetic Engineering and Biotechnology***, 2009, 7(2): 1-3.
41. Wagih M.E, Alam G, and **Attia, K**, **(2008)**. Improved production of the indole alkaloid canthin-6-one from cell suspension culture of *Brucea javanica* (L.) Merr. ***Indian Journal of Science and Technology***, Vol.1 No 7, 1-6.
42. Wagih M.E, Adkins SW and **Attia, K, (2008)**. Establishment of mature axillary bud culture of sugarcane and overcoming persistent culture contamination. ***Indian Journal of Science and Technology***, Dec, 2008. 7-13.

XIIII. References of Academic Advisors:

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