



SAMIA ABDALLAH ABD AL-AZIZ MOHAMED

ASSOCIATE PROFESSOR

PERSONAL INFORMATION	<p>Full Name: Samia AbdAllah Abd Al-Aziz Mohamed</p> <p>Affiliations: Nucleic acids research department,, Genetic engineering and biotechnology research institute, City of scientific research and technological applicationsEgypt</p> <p>Address:</p> <p>Mobile No.:</p> <p>E-mail: 01023696537</p> <p>Important links: samiaabdelaziz1@yahoo.com</p>
EDUCATION	<p>Ph.D (2000), Msc,1995, B.sc1989</p>
ACTIVITIES	<p>Scientific Activities</p> <p><u>Conferences :</u></p> <p>* The Third Conference of sustainable Agricultural Development ,Faculty of Agriculture, Al-Fayoum University, Egypt, from 12 to 14 November 2007. Ahmed,A.Yassein ; Kamal,H.Ghalab ; Samia,A. AbdAl-Aziz(2007). publication and partner in oral discussion of the article. (Genetic diversity of some rapeseed (Brassica napus) accessions analyzed by random amplified polymorphic DNA (RAPD)).</p> <p>.....</p> <p>* The Third International Conference on Future Trends in genetics and biotechnology for safe Environment, Ismailia, July 8-9,2008, publication of the article (Molecular identification of Egyptian eggplant cultivars (Solanum melongena L.) using RAPD and RFLP of 18S rRNA gene markers. Hesham, S. Abdel-Razzak ; Samia, A. AbdAl-Aziz and Elsayed, E. Hafez (2008).</p> <p>.....</p> <p>*Conference of (Towards Permanent Agricultural Development), on Monday, 27/4/2009. National Research</p>

Centre, Cairo, Egypt . Attendance

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***The Second International Conference for Applications of Biotechnology,17-18 October 2009, Faculty of Biotechnology, October University for Modern Sciences and Arts(Egypt) and Greenwich University(England), (Attendance and Abstract) .**

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*** The Second International Conference on Biological and Environmental Science, September 2009. Poster Bioconversion of Lignocellulosic Wastes into Organic Acids by the Cellulolytic Rock Phosphate-Solubilizing Fungal isolates Grown under Solid-State Fermentation Conditions .**

Workshops:

***Workshop on your Factory and the Environment,
July 6-7, 2009, Environmental and Natural Resources Research
institute, Mubarak City for Scientific Research and Technology
Applications, Alexandria, Egypt (Attendance).**

***TOT Workshop on HIV/AIDS 11-12 August 2009,
Egyptian AIDS Society in Cooperation with Mubarak
City for Scientific Research Technology Applications,
Alexandria-Egypt (Participation).**

*** Contribution and Organizing the workshop. on Advances in Molecular
Biology,14-16 March 2010, Mubarak city for scientific research and
technology application, Alexandria ,Egypt**

***Organizing The First Symposium of Advanced Material
Sciences (SAM-2012),March 14,2012 alexandria-Egypt**

*** Organizing the Workshop Adulteration and Detection of Meat
and Milk Species - Specific using Molecular Genetics Techniques, on 9-11
July 2012, City of Scientific Research and Technological Applications**

***Hepatitis B. Viral (HBV) in Egypt ,symptoms, molecular diagnosis, causes and treatment. June,11, 2014, Alexandria, Egypt. Organized by Nucleic Acids Research, Department. Genetic Engineering and Biotechnology Research Institute, City of Scientific Research and Technology Application, Alexandria ,Egypt.**

***Workshop on Data Analysis and Modeling using CoStat statistical Analysis Software,1ⁿ December,2014. Organized by Plant Production Department, Arid Lands Research Institute, City of scientific research and technology application ,Alexandria ,Egypt.**

***The First Mycotoxins Workshop, Modern Detection of Mycotoxins in Food and Feed. February 10th, 2015 Organized by IMC, Arid Lands Research Institute, City of Scientific Research and Technology Application, Alexandria ,Egypt**

***Nanotechnology and its biological applications,20 April 2015 City of Scientific Research and Technology Application, Alexandria ,Egypt.**

***Next Generation of Polymer Nanocomposites for Sustainable Development in Egypt.7-8 December, 2016, EPRI, Cairo, Egypt.Center of Scientific Excellence for Polymer Nanocomposites(PNC).**

***(SolariX the complete solution) on August 8, 2017 at City of Scientific Research and Technology Application, Alexandria ,Egypt in corporation with Engineering Group for Advanced Technology(EGA-TECH)- BRUKER.**

Lecture at summer school 2018 and winter school 2020 at c City of Scientific Research and Technology Application, Alexandria ,Egypt.

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***Marine Biotechnology For Sustainable Development ,25-26 December 2018. Organized by National Institute of Oceanography and fisheries _Alexandria, Egypt.**

***Attendance of oral presentation seminars organized by Seminars Committee, 2018-2019 at Genetic Engineering and Biotechnology Research Institute, City of Scientific Research and Technology Application, Alexandria ,Egypt.**

	<p>Administrative Activities List your Administrative Activities here... (Activity Title, Description& Date)</p> <hr/> <p>Extra-curriculum Activities <u>Societies Membership:</u></p> <p>*Member in Scientists society since 1991 until now.</p> <p>*Member in the society of developing clean farming systems 2011 until now.</p> <p>* Member in the Egyptian Society of Biochemistry and Molecular Biology Department. Kasr El Eini Faculty of medicine, in Shams University, Faculty of Medicine Since March <u>2016 till now.</u></p> <p><u>Supervision:</u></p> <p>*Master thesis in Microbiology(2009- 2013). Faculty of Science, Domyat , El mansoura University, Domyat, Egypt. Title of the Thesis .Biotechnological and molecular studies on uricase enzyme from microbial source. </p> <p>* Master thesis in Botany (2010-2013) Faculty of Science, Banha University, Banha, Egypt. Title of the Thesis (Molecular studies on the toxicity of <i>Bacillus thuringiensis</i> <i>israelensis</i>.) </p> <p>* Master thesis- External supervisor (2009-finished feb,2012) department of Genetics , Faculty of Agriculture Saba Basha, Alexandria , Egypt. Title of the Thesis (Biodegradation of Paper manufacturing wastes (Black Liquor) using Egyptian bacterial isolates).</p> <p style="text-align: center;"><u><i>*Ph.d thesis-Principle supervisor,</i></u></p> <p>.</p> <p>Title of the Thesis</p>
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Molecular studies on the effect of antimicrobial extracts on the gene expression the bacteria isolated from some processed meat
Department of Genetics, Faculty of Agriculture (El-Shatby),
Alexandria University. **finished August 2019**

GenBank Records

- 1- **GU295947** *Aspergillus niger* isolate 18S ribosomal RNA, partial sequence.
- 2- **GU295948**: *Penecillum chrysogenum* isolate 18S ribosomal RNA gene, partial sequence.
- 3- **GU295949**: *Aspergillus tamari* isolate ITS gene, partial sequence.
- 4- **HM173352**: *Echerichia coli*. isolate SAM1 16S ribosomal RNA gene partial sequence.
- 5- **HM173354**: *Echerichia coli* isolate SAM3 16S ribosomal RNA gene partial sequence.
- 6- **HM173355**: *Bacillus thuringiensis* isolate SAM4 chitinase gene, partial sequence
- 7- **FJ655921** *Escherichia coli* strain SH1 16S ribosomal RNA gene partial sequence.
- 8- **FJ655922** *Bacillus* sp. Strain SH2 16S ribosomal RNA gene partial sequence.
- 9- **FJ655923** *Bacillus cereus* strain SH3 16S ribosomal RNA gene partial

sequence.

10-FJ655924 *Bacillus thuringiensis* strain **SH4** 16S ribosomal RNA gene partial sequence

11- FJ655925 *Bacillus cereus* strain **SH5** ribosomal RNA gene partial sequence.

12- FJ655926 *Bacillus cereus* strain **SH6** ribosomal RNA gene partial sequence.

13- FJ655927 *Bacillus thuringiensis* strain **SH7** ribosomal RNA gene partial sequence.

14- FJ655928 *Bacillus thuringiensis* strain **SH8** ribosomal RNA gene partial sequence.

15-FJ655929 *Bacillus thuringiensis* strain **SH9** ribosomal RNA gene partial sequence.

16- FJ655930 *Bacillus thuringiensis* strain **SH10** ribosomal RNA gene partial sequence.

17- FJ655931 *Bacillus pumilus* strain **SH11** ribosomal RNA gene partial sequence.

18- FJ655932 *Bacillus licheniformis* strain **SH12** ribosomal RNA gene partial Sequence.

19-HQ916735: *Streptomyces mutabilis* strain **NEAE-F** 16S ribosomal RNA gene, partial sequence.

20-KJ584844: *Taleromyces purpureogenus (Penicillium pinophyllum)* ITS-r-RNA gene, partial sequence.

- 21-KJ584845: *Aspergillus* sp T1 SA.ITS ribosomal RNA gene partial sequence.
- 22- KJ584846: *Aspergillus* sp T2 SA.ITS ribosomal RNA gene partial sequence.
- 23- KJ584847: *Aspergillus* sp T5 SA.ITS ribosomal RNA gene partial sequence.
- 24- KJ584848: *Aspergillus* sp T6 SA.ITS ribosomal RNA gene partial sequence
- 25-KJ584849: *Aspergillus* sp T10 SA.ITS ribosomal RNA gene partial sequence.
- 26- KJ584850: *Aspergillus* sp SM36 SA.ITS ribosomal RNA gene partial sequence
- 27- KJ584851: *Aspergillus* sp SM37 SA.ITS ribosomal RNA gene partial sequence.
- 28-KJ584852: *Aspergillus* sp SM38 SA.ITS ribosomal RNA gene partial Sequence
- 29-MK530710: Enterobacteriaceae bacterium strain SMAHY5 16S ribosomal RNA gene, partial sequence
- 30- MK656319: Enterobacteriaceae bacterium 2 strain SAAMAHY2 16S ribosomal RNA gene, partial sequence
- 31- MK571635: Enterobacteriaceae bacterium strain SAMA4 16S ribosomal RNA gene, partial sequence
- 32-MK530711 ENTEROBACTERIACEAE BACTERIUM STRAIN SMAHY6 16S RIBOSOM RNA GENE, PARTIAL SEQUENCE
- 33-MK393873: Enterobacteriaceae bacterium strain SMAHY1 16S ribosomal

	<p style="text-align: center;">RNA gene, partial sequence</p> <p style="text-align: center;">34- <u>SAMN08349905</u>:<i>Streptomyces</i> sp. MSAHM1 16 S ribosomal RNA gene partial sequence.</p>
GRANTS & AWARDS	<p>1-Training course in Molecular Biology at university of Udine, Italy(Feb.,1993-Feb.,1994).</p> <p>2-Postdoctoral grant in molecular biology, University of Malaga, Malaga, Spain(octobre 2003-August 2005)</p>
	<p>Awards</p> <p>Prize of distinguished scientific production from Mubarak city for Scientific Researches and Technology Applications, August, (2009),Egypt</p>
LIST OF PUBLICATIONS	<p>*Mahmoud, Manal G; Selim, Manal S; Mohamed, Sahar S; Hassan, Amal I; Abdal-Aziz, Samia A.(2019) Study of the chemical structure of exopolysaccharide produced from streptomycete and its effect as an attenuate for antineoplastic drug 5-fluorouracil that induced gastrointestinal toxicity in rats. Animal biotechnology,16-1 Q2</p> <p>*Mona M. Hassan, Samia A. AbdAl-Aziz *, Asmaa M. Megahed1, Hagar A. Abdel Rassoul, Yasser M. Mabrouk (2019). Molecular Identification of Listeria Species from Some Processed Meat Products Using Specific Iap Gene and 16S rRNA Gene. ALEXANDRIA SCIENCE EXCHANGE JOURNAL, 40(2): 335-341</p> <p>*Fayed Attia Kouthb Mogahed. Halima Hassan Salem.Samia Abd Allah AbdAl-Aziz .Ehab Mostafa Hassona and Bahy Ahmed Ali (2018). Detection of YMDD Mutations in Egyptian patients Diagnosed as Chronically Infected with Occult or Non-Occult HBV Genotype D” BIOSCIENCE RESEARCH, 15(4):4184-4195. Q4</p>

***Mohamed, M. Metwally, WesamEldin I. Saber and Samia, A. Abdal-Aziz (2016).** “New inulinolytic Fungus: Molecular Identification and Statistical optimization of its inulinase secretion for bioethanol production from Helianthus Tuberosus”. **International Proceedings of Chemical, Biological and Environmental Engineering**, 99: 7-18 **Q0**

***Samia, A. Abdal-aziz, , Hassan, M. Emara, Nadia, A. Soliman, Halima, H. Salem, Mohamed, R. Metwally and Mostafa, E. Hamdan (2016).**

“The Effectiveness of Native *Bacillus thuringiensis israelensis* Culture Supernatant and one of its Recombinant Components on *Culex pipiens* Larvae.” **Research Journal of Pharmaceutical, Biological and Chemical Sciences** volume 7 issue 5

(ISSN: 0975-8585) CODEN: RJPBBP Impact factor 0.35 . **Q3**

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***Hassan E. Abd Elsalam, A. Abuo Gabal, S.A. Abdelaziz, Amany G. Ibrahim, A. E. Mohamed (2014).** Genetic improvement of Kraft lignin-degrading bacteria via mutation induction and protoplast fusion. **International Journal of Advanced Research (2014), Volume 2, Issue 9, 210-216.**

***Samia A. Abdal-Aziz and Ahmed A.M. Yassein (2014).** *Bacillus thuringiensis* var *aizawai* HD-137 as a potential agent for biological control **Journal of Advanced Laboratory Research In Biology Volume V, Issue I**

- Ahmed A.M. Yassein., Samia A. Abdal-Aziz and Kamal H. Galab

(2013). Evaluation of Genetic diversity and heritability of some rapeseed (*Brassica napus*) genotypes using agronomical and molecular traits. **Journal of Advanced Laboratory Research in Biology Volume**

IV, Issue IV October: 131-134

***Samia, A. Abdal-Aziz; Mohamed, M. El-Metwally and Wesam, I.**

A. Saber (2012). Molecular Identification of a novel inulinolytic fungus isolated from and grown on tubers of *Helianthus tuberosus*. and statistical screening of

medium components. **World Journal of Microbiology and Biotechnology** V:28(12):3245-3254 (I.F=1.532)

***Abuo Gabal, A. Ashgan ; Abd Elsalam, E. Hassan ; AbdAl-Aziz, A. Samia ; El-Hanafy, A. Amr and Mohamed, E. Abdallah.(2011).**

The use of biotechnology for biodegradation of paper manufacturing wastes (Kraft Lignin) via Egyptian bacterial isolates. **Alexandria Science Exchange Journal**, **32(4):393-399.**

***E.M.S, Abdlkader-Helmy ; S.A. AbdAl-Aziz ; H.S.Abdel-Razzak, M.A.Wahab-Allah and A.Al-Garban (2011).** Evaluation of some Agronomic Traits and Genetic Relationships among Developed Garlic Clones by RAPD Markers and Protein Analysis. **American-Eurasian Journal of Agricultural and Environmental Science**, **(10)5: 829-839.**

***W.I.A. Saber ; Noura, El-Ahmady El Nagar and Samia, AbdAllah AbdAl-Aziz. (2010).** Bioconversion of Lignocellulosic Wastes into Organic Acids by the Cellulolytic Rock Phosphate-Solubilizing Fungal isolates Grown under Solid-State Fermentation Conditions.

Research Journal of Microbiolog, **5(1):1-20.**

*** Sabry, M. Youssef ; Silvia Jimenez-Bermundez ; M. Luz Bellido, ; Carmen Martin-Pizarro ; Marta Barcelo ; Samia, Abdallah Abdal-Aziz ; Jose´ L. Caballero ; Jose, M. Lopez-Aranda ; Fernando Pliego-Alfaro ; Juan Munoz ; Miguel A. Quesada and Jose A. Mercado (2009).**

*** Hesham, S. Abdel-Razzak ; Samia, A. AbdAl-Aziz and Elsayed, E. Hafez (2008).** Molecular identification of Egyptian eggplant cultivars (*Solanum melongena* L.) using RAPD and RFLP of 18S rRNA gene markers. **Proceeding of the Third International Conference on Future Trends in genetics and biotechnology for safe Environment, Ismailia, July 8-9, 2008. By the Egyptian Society for Environmental Science CATRINA 2008**, **3(3):1-10**

***Ahmed,A.Yassein ; Kamal,H.Ghalab ; Samia,A. AbdAl-Aziz.(2007).** Genetic diversity of some rapeseed (*Brassica napus*) accessions analyzed by random amplified polymorphic DNA (RAPD). **The Third Conference of Sustainable Agricultural Development.** Faculty of Agriculture, Al-Fayoum University, Egypt, from 12 to 14 November 2007 pp. 159-164.

*** Samia,A.AbdAl –Aziz., Fernando,Pliego Alfaro., Miguel A.Quesada, Jose,A.Mercado (2006).** Evidence of frequent integration of Non- T-DNA Vector

backbone sequences in Transgenic Strawberry plant. **Journal of Bioscience and Bioengineering. 101(6): 508-509.**

Kalaf., K.A. ; Ali, A.M. ; Abd-Alaziz, S.A. and ; Youssef, K.A.(1997). Studies on the control of *Orobanche crenata*. II. Effectiveness of *Azotobacter* spp. And *Escherichia coli* transformants in biological control of *Orobanche crenata* on *Vicia faba* under soil conditions. **Journal of FABIS Newsletters, (40): 31-35.**

***Kalaf., K.A . ; Ali,A.M. ; Abd-Alaziz , S.A. and Youssef, K.A.(1997).** Studies on the control of *Orobanche crenata*. I. Use of *Azotobacter* spp. and *Escherichia coli* transformants to break dormancy of *Orobanche crenata* (1997). **Journal of FABIS Newsletters, (40): 25-30.**