

CURRICULUM VITAE



Name:	Abd El-Latif Hesham		
Academic Rank:	Professor	Nationality:	Egyptian
Permanent Contact Information:	<p><i>Mailing Address:</i> Assiut University, Faculty of Agriculture, Genetics Department, Assiut 71526, Egypt, <i>Mobile #:</i> +201012115256 <i>Office #:</i> +2-088-2412743 <i>Home #:</i> +20882306728 <i>Emails:</i> ; hesham_egypt5@aun.edu.eg ; hesham_egypt5@agr.au.edu.eg ; Scopus ID: 14035479000</p>		
Websites Mendeley profile	https://www.mendeley.com/profiles/abd-el-latif-hesham2/		

Academic Qualifications

1. Ph.D., 2007, in "**Microbial Genetics and Environmental Meta-Genome Biotechnology**", Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, P.R. China
Ph.D. title: Microbial degradation of PAH and environmental genomics in bioaugmentation systems using isolated yeasts
2. M.Sc., 1999, in "**Microbial Genetics**", Genetics Department, Faculty of Agriculture, Assiut University, Assiut, Egypt.
*M.Sc. title: Genetic improvement of some economical important characters in yeast *Saccharomyces cerevisiae**
3. B.Sc., 1992, in Agriculture Sciences "**Genetics**", Faculty of Agriculture, Assiut university, Assiut, Egypt.

Employment History:

1. June, 2017 till now: Professor of *Microbial Genetics and Environmental Meta-Genome Biotechnology*, Genetics Department, Faculty of Agriculture, Assiut University, Egypt
2. June, 2012 to June 2017: Associate Professor of *Microbial Genetics and Environmental Meta-Genome Biotechnology*, (i) Genetics Department, Faculty of Agriculture, Assiut University, Egypt
(ii) Biology Department, Faculty of Sciences King Khalid University Abha, Saudi Arabia
3. October, 2009 to November, 2010: **post doctoral** (TWAS) research fellow in Chinese Academy of Sciences, Beijing, China
4. June, 2007 – June 2012: **Assistant** Professor of *Microbial Genetics and Environmental Meta-Genome Biotechnology*, Genetics Department, Faculty of Agriculture, Assiut University, Egypt
5. July, 1999 to June, 2007: **Assistant lecturer** of *Genetics and Biotechnology*, Genetics Department, Faculty of Agriculture, Assiut University, Egypt
6. November, 1994 to July 1999: **Demonstrator** of *Genetics*, Genetics Department, Faculty of Agriculture, Assiut University, Egypt

Research work experiences:

I am interesting in "**Microbial Genetics**", "**Microbial Ecology**", "**Molecular biology**", "**Biotechnology and Biofuels**", "**Fermentation**", "**Environmental Meta-genome Biotechnology**", "**Environmental Pollution**", "**Phytoremediation (Heavy metals)**" "**Biodegradation & Bioremediation (Petroleum Polycyclic Aromatic Hydrocarbons (PAHs) and Rubber degradation)**"; "**Microbial community structure and diversity**", "**Wastewater treatment**", "**Antimicrobial Activity**", and "**Medicinal Plant**". I have experience in Molecular biological techniques (Clone library, RFLP, RAPD, ISSR, sequencing, phylogenetic analysis, florescent in situ hybridization (FISH), PCR-DGGE, MPN-PCR, reverse transcriptase PCR , and real time PCR (qRT-PCR)).

PROJECTS AND GRANTS

- 1- Tempus Joint European Project for " **Establishing a Sugar Science and Technology B.Sc. Study Program**" From : 2007-To 2009.
<http://www.aun.edu.eg/essitech-tempusproject/mainpage.html>
- 2- Project No. (KKU-SCI -11 /005) from King Khalid university, Saudi Arabia "**Production of single-cell protein and bioenergy – ethanol- from dates' wastes (spoilage and useless dates) by local yeast strains**" 2011
- 3- Project No. (KKU-SCI -114) from King Khalid university, Saudi Arabia "**An application of Molecular biology tools for understanding genetic pathway of petroleum aliphatic and aromatic hydrocarbons degradation by microorganisms**" 2012.
- 4- Project No. (A.T. 34-267) from King Abdul-Aziz City for Science and Technology (KACST) Saudi Arabia "**16S rRNA gene sequences analysis of petroleum degrading bacteria isolated from ABHA Area.**" 2013 – 2015.
- 5- Project No. (AT -35-421.) from King Abdul-Aziz City for Science and Technology (KACST) Saudi Arabia "**Isolation and Molecular Characterisation of Hydrocarbon Degrading Yeasts Exhibiting Potential Application in Bioremediation**" 2014 – 2016
- 6- Project No. (A.T. 36-253) from King Abdul-Aziz City for Science and Technology (KACST) Saudi Arabia "**Phylogenetic analysis and assessment ability of soil borne fungi for biodegradation of some locally used pesticides**" 2015 – 2016.

List of Journals & Impact Factor

<u>No</u>	<u>Journal title</u>	<u>No. of Papers Published in Journal</u>	<u>Impact Factor for paper</u>	<u>Sum of Impact Factor</u>
	<i>Russian Journal of Genetics</i>	1	0.550	0.550
1	<i>Cytology and Genetics</i>	1	0.324	0.324
2	<i>International Journal of Phytoremediation</i>	1	1.770	1.770
3	<i>Technology and Health Care</i>	1	0.724	0.724
4	<i>Rendiconti Lincei</i>	2	0.693	1.386
5	<i>Bulletin of the Chemical Society of Ethiopia</i>	1	0.818	0.818
6	<i>Pakistan Journal of Pharmaceutical Sciences</i>	1	0.649	0.649
7	<i>Journal of Environmental Biology</i>	1	0.697	0.697
8	<i>BioMed Research International.</i>	2	2.476	4.952
9	<i>Journal of Environmental Sciences</i>	3	2.937	8.811
10	<i>The Arabian Journal for Science and Engineering</i>	1	0.865	0.865
11	<i>Microbiology</i>	2	0.856	1.712
12	<i>Biotechnology and Bioprocess Engineering</i>	1	1.160	1.160
13	<i>Biocontrol Sciences and technology</i>	1	0.919	0.919
14	<i>International Journal of Agriculture and Biology</i>	2	0.746	1.492
15	<i>Annals of Microbiology</i>	2	1.122	2.244
16	<i>Environmental Science and Pollution Research</i>	3	2.741	8.223
17	<i>Biodegradation</i>	1	2.018	2.018
18	<i>Applied Microbiology and Biotechnology</i>	2	3.420	6.840
19	<i>Journal of Microbiology and Biotechnology</i>	1	1.750	1.750
20	<i>World journal of microbiology and biotechnology</i>	1	1.658	1.658
21	<i>Process Biochemistry</i>	1	2.497	2.497
22	<i>Journal of Soil and Sediments</i>	1	2.522	2.522
23	<i>Science of Total Environment</i>	1	4.900	4.900
24	<i>Yeast</i>	1	1.990	1.990
25	<i>Biotechnology letters</i>	1	1.730	1.730
Total impact factors for all Journals				63.201

	Scopus
Total citations	478
<i>h</i>-index	11

	Google Scholar
Total citations	737
<i>h</i>-index	15
i10-index	15

International publications

1. Ebrahim M. Eid, Ahmed F. El-Bebany, Sulaiman A. Alrumman, **Hesham A**, Mostafa A. Taher and Khaled F. Fawy (2017) The effects of different sewage sludge amendment rates on the heavy metal bioaccumulation, growth and biomass of cucumbers (*Cucumis sativus L.*) *Environmental Science and Pollution Research* **24(19):16371-16382. (IF 2.8).**
2. **Hesham A**, Mohamed E, Asmaa M.M. Mawad , Ameer Elfarash A, Abd El-Fattah B and El-Rawy M (2017) Molecular Characterization of Fusarium Solani Degrades a Mixture of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons. *The Open Biotechnology Journal*, 2017, 11, 27-35.
3. Hashem M, **Hesham A**, Alrumman A.S, Alamri S.A. (2017) Production of Bioethanol from Spoilage Date Fruits by New Osmotolerant Yeasts. *International Journal of Agriculture and Biology* . 825-833 . (IF 0.758).
4. **Hesham A**, Sulaiman A., Abeer Dhafer S. ALQahtani (2017) Degradation of toluene hydrocarbon by isolated yeast strains: molecular genetic approaches for identification and characterization. *Russian Journal of Genetics*, (accepted and in press). (IF 0.448).
5. **Hesham A**, Sulaiman A., Mona A. Al-Dayel (2017) Screening and Genetic Identification of Acidic and Neutral Protease-Producing Yeasts Strains by 26S rRNA Gene Sequencing. *Genetics and Cytology*, 51, (3) pp 221–229. (IF 0.340).
6. Mostafa M, **Hesham A**, Alrumman S, Manal Q (2016) Variations in genetic and chemical constituents of *Ziziphus spina-christi* L. populations grown at various altitudinal zonation up to 2227 m height . *Journal of Genetic Engineering and Biotechnology* , <http://dx.doi.org/10.1016/j.jgeb.2016.09.001>
7. Ebrahim M. Eid, Ahmed F. El-Bebany, Sulaiman A. Alrumman1, **Hesham A**, Mostafa A. Taher and Khaled F. Fawy (2016) Effects of different sewage sludge applications on heavy

- metal accumulation, growth and yield of spinach (*Spinacia oleracea*). *International Journal of Phytoremediation*, VOL. 19, NO. 4, 340–347. (IF 2.085).
8. **Hesham A**, Sulaiman A., (2016) Antibacterial Activity of Miswak (*Salvadora persica*) Extracts Against Isolated and Genetically Identified Oral Cavity Pathogens. *Technology and Health Care*, (24), S841–S848. (IF 0.697)
 9. Asmaa M. M. Mawad, **Hesham A**, Yasser M. Mostafa , Ahmed Shoriet A. (2016) Pyrene degrading *Achromobacter denitrificans* ASU-035: growth rate, enzymes activity, and cell surface properties. *Rendiconti Lincei*, 27:557–563. (IF 0.412)
 10. Al-Sehemi A,G, Irfan A., Sulaiman A., **Hesham A.**, (2016) Antibacterial activities, Dft and Qsar studies of quinazolinone compounds. *Bulletin of the Chemical Society of Ethiopia*, 30(2), 1-10. (IF 0.577)
 11. Moustafa M.F, Sulaiman A., **Hesham A**, (2016) Biological activities of some *Acacia* spp. (Fabaceae) against new clinical isolates identified by ribosomal RNA gene-based phylogenetic analysis. *Pakistan Journal of Pharmaceutical Sciences*, Vol.29, No.1, January 2016, pp.221-229. (IF 0.682)
 12. Sulaiman A., **Hesham A**, Al-Amri S., (2016) Isolation, fingerprinting and genetic identification of indigenous PAHs degrading bacteria from oil-polluted soils. *Journal of Environmental Biology*, Vol. 37, 75-81. (IF 0.560)
 13. Hesham A., T. Komang Ralebitso-Senior, Zhang Y., Qing X. Li (2015) Environmental Biotechnology: Current Advances, New Knowledge Gaps, and Emerging Issues. *BioMed Research International*. Volume 2015, Article ID 814529, <http://dx.doi.org/10.1155/2015/814529>. (IF 2.134)
 14. Wang, Z., Pan F., **Hesham A**, et al., (2015) Impacts of produced water origin on bacterial community structures of activated sludge. *Journal of Environmental Sciences*. 37(1)192-199. (IF 2.208)
 15. **Hesham A**, Alrumman A.S, Jawaher A. Al-Amari (2015) 16S rDNA phylogenetic and RAPD-PCR analysis of petroleum polycyclic aromatic hydrocarbons degrading bacteria enriched from oil-polluted soils. *The Arabian Journal for Science and Engineering*. 41:2095–2106. (IF 0.728)
 16. Khaldoun O and **Hesham A**. (2015) Biochemical and genetic evidences of anthocyanin biosynthesis and accumulation in a selected tomato mutant. *Rendiconti Lincei*, 26:293-306. (IF 0.412)

17. **Hesham A**, Nadia H, Mady I, Ahmed Shoriet A. (2015) Degradation of natural rubber latex by new *Streptomyces labedae* strain ASU-03 isolated from Egyptian soil and identified based on genes sequences. *Microbiology*, Vol. 84, No. 3, pp. 351–358 . (IF 0.796)
18. Osama M., **Hesham A.**, Hanaa M. (2015) Genetic polymorphism of *Bulinus truncatus* the intermediate host of *Schistosoma haematobium* in Egypt using ISSR markers. *International Journal of Development Research*. Vol. 5, Issue, 02, pp. 3540-3544.
19. **Hesham A**, Asmaa M. M. Mawad, Yasser M. Mostafa , Ahmed Shoriet A. (2014) Biodegradation ability and catabolic genes of petroleum-degrading *Sphingomonas koreensis* strain ASU-06 isolated from Egyptian oily soil. *BioMed Research International*. doi.org/10.1155/2014/127674. (IF 2.134)
20. **Hesham A**, Asmaa M. M. Mawad, Yasser M. Mostafa , Ahmed Shoriet A. (2014) Study of Enhancement and Inhibition Phenomena and Genes Relating to Degradation of Petroleum Polycyclic Aromatic Hydrocarbons in Isolated Bacteria. *Microbiology*. Vol. 83, No. 5, pp. 599–607. (IF 0.796)
21. Islamud-Din, **Hesham A**, Ayaz Ahmad A, Cang Daqiang C, and Khan S. (2014) Application of PCR-DGGE and real-time PCR to study the impacts of heavy metals on diversity and abundance of sulfate-reducing bacteria using *dsrB* gene. *Biotechnology and Bioprocess Engineering*, 19 (4): 703-710. (IF 1.211).
22. Hashem M, Saad A. Alamri, **Hesham A**, Fatimah M. H. Al-Qahtani & Mona El-Kelani (2014). Biocontrol of apple blue mold by new yeast strains: *Cryptococcus albidus* KKUY0017 and *Wickerhamomyces anomalus* KKUY0051 and their mode of action. *Biocontrol Science and Technology*. 24 (10): 1137-11-5. . (IF 0. 8).
23. Alrumman A.S., Moustafa Y.S, Eifan S.A., Alamri S.A, **Hesham A**, (2014) Isolation of Thermoalkalophilic- α -amylase Producing Bacteria and Optimization of Potato Waste Water Medium for Enhancement of α -amylase Production. *Advances in Life Science and Technology*. 20: 41-51.
24. Hashem M, **Hesham A**, Alrumman A.S, Alamri S.A. (2014) Indigenous yeasts associated with rotten date fruits and their potentiality in bioethanol and single-cell protein production. *International Journal of Agriculture and Biology* . 16 (4) : 752-758. (IF 0.758).
25. Alrumman A.S., Moustafa M.F, **Hesham A**, Alamri S.A, Hashem M, (2014) Phytochemical analysis and inhibitory effects of extract of young fruits of *Ficus palmate* on some pathogenic microbes . *Egyptian Academy journal of biological sciences*. 6(1): 131—139.

26. **Hesham A.** (2014) New Safety and Rapid Method for Extraction of Genomic DNA from Bacteria and Yeast Strains Suitable for PCR Amplifications. *Journal of Pure and Applied Microbiology*, 8(1): 383-388.
27. Wambui V, **Hesham A**, Ogola J.O, Julius. M. (2014) Application of 26S rRNA gene sequencing and RFLP of ITS1-5.8S-ITS2 analysis for the identification of *kluveromyces* strain BM9 producing biofuel. *Journal of Microbiology, Biotechnology and Food Sciences* 3 (6): 1338-5178.
28. **Hesham A**, Wambui V, Ogola J.O, Julius. M. (2014) Phylogenetic analysis of isolated Biofuel Yeasts based on 5.8S-ITS rDNA and D1/D2 26S rDNA sequences. *Journal of Genetic Engineering and Biotechnology* 12, 37–43.
29. Wambui V, **Hesham A**, Ogola J.O, Julius. M. (2014) Molecular Genetic Identification and phylogeny of bio-ethanol producing yeast isolated from cheese whey. *Journal of Pure and Applied Microbiology*. 8 (2) : 1157-1165
30. Hashem M, **Hesham A**, Alamri S.A, Alrumman A.S. (2013) Production of single-cell protein from wasted date fruits by *Hanseniaspora uvarum* KKUY-0084 and *Zygosaccharomyces rouxii* KKUY-0157. *Annals of Microbiology, Volume 64, Issue 4, pp 1505-1511. (IF 1.232)* .
31. Hashem M, **Hesham A**, Alamri S.A, Alrumman A.S. (2013) Intermediate chemical and pharmaceutical compounds during fermentation of spoilage date fruits by *Hanseniaspora guilliermondii* KKUY-0045. *Egyptian Academy journal of biological sciences*. 6(1): 1-12
32. Hesham A, Alrumman A.S, Alamri S.A, Hashem M, Moustafa M.F.M. (2013) Enrichment, isolation and genetic identification of a bacterium capable of degrading PAHs using 16S rDNA sequences. *Archives Des Sciences*. 66 (7):277-290.
33. Zeinab A, **Hesham A**, EL-Ameen T, Saleh F. (2013) Bioconversion of whey as an environmental pollutant into Bio-ethanol using genetically identified yeast strain isolated from Egyptian dairy products. *The International Conference of Environmental Sciences (ICES)*. 177-190
34. **Hesham A**, (2013). Molecular genetics tools to understand foaming and bulking filamentous bacteria in wastewater treatment plants. *Journal of Microbial & Biochemical Technology*, 4-7
35. **Hesham A**, (2012). Environmental Meta-Genome Biotechnology. *Hereditary Genetics*, 1:3
36. **Hesham A**, Khan S, Tao Y, Li D, Zhang Y, Yang M. (2012). Biodegradation of high molecular weight PAHs using isolated yeast mixtures: Application of meta-genomic methods for community structure analyses. *Environmental Science and Pollution Research*. 19: 3568-3578 . (IF 2.760)

37. **Hesham A**, Nadia H, Mady I, Ahmed Shoriet A. (2012). 16S rRNA gene sequences analysis of *Ficus elastica* Rubber Latex degrading thermophilic *Bacillus* strain ASU7 isolated from Egypt. *Biodegradation* 23 (5): 717-724. (IF 2.208)
38. **Hesham A**, and Saad A. Alamri (2012) Application of fluorescence in situ hybridization (FISH) to the analysis dynamics of sulfate reducing bacterial community in an oily bench scale reactor. *African Journal of Biotechnology* Vol. 11(44), pp. 10221-10226.
39. Rania F, Saleh FM, **Hesham A.**, Mahmoud H, Hussein M (2011).Molecular genetic differentiation of naturally isolated phosphorus solubilizing yeasts. *Assiut Journal Agricultural science*, 42: 258 - 271.
40. Zeinab A, Saleh FM, **Hesham A.**, El-Ameen T (2011). Molecular Genetic studies on the naturally isolated yeasts from Egyptian dairy products.. *Assiut Journal Agricultural science*, 42: 272 - 286.
41. **Hesham A**, Qi R, Yang M (2011). Comparison of bacterial community structures in two systems of a sewage treatment plant using PCR-DGGE analysis. *Journal of environmental sciences*. 23 (12): 2049–2054 . (IF 2.208)
42. Wenzhou Lv W, **Hesham A**, Zhang Y Liu X, Yang M. (2011) Impacts of cell surface characteristics on population dynamics in a sequencing batch yeast reactor treating vegetable oil-containing wastewater. *Applied Microbiology and Biotechnology* .90: 1785-1793. (IF 3.376)
43. **Hesham A** and Mohamed H (2011) Molecular genetic identification of yeast strains isolated from Egyptian soils for solubilization of inorganic phosphates and growth promotion of corn plants. *Journal of Microbiology and Biotechnology*. 21: 55-61. (IF 1.658)
44. Islam-ud-din and **Hesham A et al** (2010). Physio-chemical characteristics and bacterial diversity in copper mining wastewater based on 16S rRNA gene analysis. *African Journal of Biotechnology*. 46:7891-7899
45. Elsayed M and **Hesham A**, (2010) Inhibition of melanogenesis by the extract from *Agaricus blazei* without affecting *iNOS* gene expression. *World journal of microbiology and biotechnology*. 26: 2029-2035. (IF 1.532)
46. Liu R, Li D, Gao Y, Zhang Y, Wu S, Ding R, **Hesham A**, Yang M (2010) Microbial diversity in the anaerobic tank of a full-scale produced water treatment plant. *Process Biochemistry*. 45: 744-751. (IF 2.529)
47. Deng Y, Zhang Y, **Hesham A**, Liu R, Yang M (2010) Cell surface properties of five polycyclic aromatic compound-degrading yeast strains. *Applied Microbiology and Biotechnology*. 86: 1933-1939. (IF 3.376)

48. Khan S, **Hesham A**, Zhu Y, He J. (2009) Effects of Cd and Pb on soil microbial community structure and activities. *Environmental Science and Pollution Research*. 17: 288 – 296. (IF 2.760)
49. Khan S, **Hesham A**, He J, Qing G, Shuang L. (2009) Biodegradation of pyrene and catabolic genes in contaminated soils cultivated with *Lolium multiflorum* L. *Journal of Soil and Sediments*. 9: 428 – 491. (IF 2.206)
50. **Hesham A**, Alamri SA, Khan S, Elsayed M, Mahmoud HM (2009) Isolation and molecular genetic characterization of a yeast strain able to degrade petroleum polycyclic aromatic hydrocarbons. *African journal of biotechnology*. Vol. 8 (10), pp. 2218-2223, 18 May, 2009
51. Wang Z, Li J, Zhang Y, He S, **Hesham A**, Wang Z, Yang M.(2007) Co-variations of bacterial composition and catabolic genes related to PAH levels in a produced water treatment system consisting of successive anaerobic and aerobic units. *Science of Total Environment*. 337:356-362. (IF 3.976)
52. Khan S, Cao Q, **Hesham A**, Xia Y, He J. (2007) Soil enzymatic activities and microbial community structure with deferent application rates of Cd and Pb. *Journal of Environmental Sciences*. 19:834–840. (IF 2.208)
53. **Hesham A**, Khan S, Liu X, Zhang Y, Wang Z, Yang M. (2006). Application of PCR–DGGE to analyse the yeast population dynamics in slurry reactors during degradation of polycyclic aromatic hydrocarbons in weathered oil. *Yeast*, 23: 879-887 . (IF 2.259)
54. **Hesham A**, Wang Z, Zhang Y, Zhang J, Lv W, Yang M. (2006) Isolation and identification of a yeast strain capable of degrading four and five ring aromatic hydrocarbons. *Annals of microbiology*. 56 (2):109–112. (IF 1.232)
55. Wang Z, Zhang J, Zhang Y, **Hesham A**, Yang M. (2006) Molecular characterization of a consortium enriched from an oilfield that degrades phenanthrene. *Biotechnology letters*, 28: 617-621 . (IF 1.639)
56. Omran Y, and **Hesham A**. (2003) Examining of some genetically improved yeast strains on vine vigor, yield component and fruit quality of roomy red grapevines. *Assiut J. Agricultural science*, 34: 33 – 42
57. Hussein SY, Soliman IA, **Hesham A**. (2001).Growth performance, blood constituents' thyroid hormones in Nile tilapia (*Oreochromis niloticus*) fed diets contained canola meal and supplemented with yeast strains. *Assiut Vet. Med. J.*, 45: 75 - 93
58. Saleh FM, Tahany HI, El-Helw MR, **Hesham A**. (1999).Effect of selection for wheat-meal fermentation period on some economic characters in *Saccharomyces cerevisiae*. *Assiut J. Agricultural science*, 30: 217 - 226.

International Conferences

1. Alrumman A.S, **Hesham A**, (2015) Production and optimization of acid and neutral proteolytic enzymes by yeast strains isolated from soil of Saudi Arabia .9th Biotechnology Congress during August 31- September 02, 2015 at Hyatt Regency, Orlando, Florida USA. **Poster Presentations.**
2. Alrumman A.S, **Hesham A**, (2014) Degradation of Petroleum Polycyclic Aromatic Hydrocarbons by Bacterial Strains Isolated from Oil-Contaminated Soils in ABHA Region, KSA. Australian Society for Microbiology Annual Scientific Meeting, 5th to 9th **July**, Australia. **Poster Presentations.**
3. **Hesham A**, Alrumman A.S (2014) In Vitro antibacterial activity of different *Salvadora persica* miswak extracts against isolated and genetically identified oral cavity pathogens. **The 5th World Congress on Biotechnology** which will be held on June 25-27, 2014 at Valencia, **Spain**. **Oral presentation**
4. Hesham A, (2013). Molecular genetics approaches for understanding operational problems in wastewater treatment plants. **"International Conference and Exhibition on Biochemical & Molecular Engineering "** October 07-08, 2013 Hilton San Antonio Airport, TX, **USA** . **Oral presentation**
5. **Hesham A**, and Yang M., (2012). Abundance and diversity of *Microthrix parvicella* in a sewage plant as determined by real time PCR and 16S rRNA gene clone library. **"1st Biotechnology World Congress"**, Dubai, UAE from 14th -15th February, 2012. **Oral presentation**
6. **Hesham A**, et al., (2010). Dynamics of filamentous bacterial population in a sewage treatment plants during the occurrence of sludge bulking and foaming. ISME13 – Stewards of a Changing Planet, 22-27 August 2010, Seattle, Washington, **USA** . **Oral presentation**
7. **Hesham A**, et al., (2010). Changes of *Microthrix parvicella* Population in a Sludge Bulking Occurring Sewage Treatment Plant. ISABE'2010 International Symposium on Advanced Biological Engineering "Biotechnology for Sustainable Industry and Society" 23-25 July, 2010 Beijing, **China** . Oral presentation.
8. **Hesham A**, et al., (2010). Meta-Genomics and Biodegradation of PAHs using isolated yeast strains. the 6th international conference on interfaces against pollution (IAP 2010) Time: May 16-19, 2010, Place: Beijing, **China**. **Oral presentation.**

9. **Hesham A**, Motamed E, and Abo El-Wafa A (2009) isolation and molecular characterization of catabolic genes related to phenanthrene-degrading bacteria. 1st international conference on biotechnology (Towards Knowledge Based- Economy) Feb 16- 18, center of excellence in biotechnology research, King Fahad cultural center, Riyadh, **Saudi Arabia. Oral and poster presentation**
10. **Hesham A**, and Yang M, (2008) PAHs degradation and Meta-Genomics: molecular genetics tools for tracking microbial community diversity in biological systems. The 12th international symposium on microbial ecology. August 17-22, 2008, Cairns, **Australia . Oral presentation**
11. **Hesham A**, (2008) Genetic characterization of a yeast strain able to degrade petroleum polycyclic aromatic hydrocarbons. The 1st International Conference on Environmental Studies and Research. April 7-9, Minufiya University, Sadat City. **Egypt. Oral presentation**
12. **Hesham A**, and Yang M, (2007) Yeast genetic diversity and HMW-PAHs degradation in biological systems: estimation by PCR-DGGE and fluorescent in situ hybridization. XXIII International Conference on Yeast Genetics and Molecular Biology Conference. July 1-6, Melbourne, **Australia. Oral presentation**
13. **Hesham A**, Tao Y, Zhang Y, Yang M (2006) .Microbial community and PAHs degradation in biological system using FISH and DGGE of 16S and 26S rDNA polymerase chain reaction products. The 3rd International Symposium on Persistent Toxic Substances. October 22-25, Beijing, **China. Oral presentation**
14. **Hesham A**, Wang Z, Zhang Z, Zhang Y, Liu X, Yang M. (2006) Biodiversity of PAH degradation bacteria enriched from aerobic sludge: phenanthrene degrading genes. IWA World Water Congress and Exhibition. 10-14 September Beijing, **China. Long Oral presentation.**
15. Wang Z, Zhang Y, Liu X, **Hesham A**, Yang M. (2006) Microbial population dynamics and catabolic genes for PAHs removal of activated sludge for produced water treatment . The 11th International Symposium on Microbial Ecology. August 20-25, Vienna, **Austria. poster presentation**
16. **Hesham A**, and Yang M. (2006) Use of slurry reactors to degrade PAHs in crude oil by yeast strain mixture isolated from oily soil. The 1st International Symposium on advanced biological engineering and science. March 16-18, Beijing, **China. Oral presentation**
17. **Hesham A**, Wang Z, Zhang Y, Zhang J, Yang M. (2005) Biodegradation of High-Molecular Polycyclic Aromatic Hydrocarbons by Candida sp. Strain AEH. The 2nd China International Symposium on Persistent Toxic Substances. May 15-18, Beijing, **China. Oral presentation**

M.Sc., PhD Supervision and Examination:

As PhD Supervisor

- 1- 2007 – 2012: **“Isolation and Molecular characterization of phosphorus solublizing yeasts, and their use as biofertilizers”**

Researcher: Mrs **Rania Faisal**

Genetics Department, Faculty of Agriculture, Assiut University, Assiut 71526, **Egypt**.

As M.Sc. Supervisor

- 1- 2007 – 2012 **“Phenotypic and molecular genetic studies on natural yeasts isolated from Egyptian dairy products”**

Researcher: Miss **Zeinab Abd El-Moghis Mahmoud**

Genetics Department, Faculty of Agriculture, Assiut University, Assiut 71526, **Egypt**.

- 2- 2008 – 2012 **“Isolation and genetic characterization of polycyclic aromatic hydrocarbons (PAHs) - degrading bacteria”**

Researcher: Mrs **Asmaa M.M. Moawed**

Botany Department, Faculty of Science, Assiut University, Assiut 71526, **Egypt**

- 3- 2009 – 2013 **“Isolation and molecular characterization of yeast strains from Kenyan dairy industries and their potential utilization in bioethanol production from whey”**

Researcher: Miss **Virginia Wambui Kimani**

Institute of Biotechnology Research, Jomo Kenyatta University of Agriculture & Technology, Nairobi, **Kenya**.

- 4- 2013 – 2015 **“16S rRNA gene sequences analysis of petroleum degrading bacteria isolated from ABHA Area.”**

Researcher: Mrs **Jawaher Ahmad Al-Amari**

Biology Department, College of Science, King Khalid University, Abha, **Saudi Arabia**.

- 5- 2013 – 2015 **“Genetic Diversity Analysis and Biological Activities of *Ziziphus spina-christi* (L.) Desf. Populations Collected From Different Elevation of Abha Region, KSA”**

Researcher: Mrs **Manal Saleh Quraishi**

Biology Department, College of Science, King Khalid University, Abha, **Saudi Arabia**.

- 6- 2013 – 2015 **“Genetic Characterization of Protease Producing Yeasts Isolated from ABHA Area”**

Researcher: Mrs **Mona abduullah Maree Al-Dayel**

Biology Department, College of Science, King Khalid University, Abha, [Saudi Arabia](#).

- 7- 2014 – present **“Isolation and Molecular Characterisation of Hydrocarbon Degrading Yeasts Exhibiting Potential Application in Bioremediation”**

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- 9- 2015 – present **“Molecular Genetic Characterization of Citric Acid Producing Yeasts Isolated from Saudi Arabia”**

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- 1- 2015, **"Biodiversity of yeasts associated with fruits and vegetables in Abha city"**

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- 2- January, 2012, **" Bioaccumulation and biomarker responses in fingerlings of *cirrhinus mrigala* upon cadmium exposure "**

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- 3- December, 2014, **" Bioremediation of heavy metals present in industrial wastewater "**

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- 4- July, 2015, **" Drinking water contamination with arsenic and human health risk in southern Khyber Pakhtunkhwa"**

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Leader Guest Editor:

For Special Issue titled “*Environmental Biotechnology: Current Advances, New Knowledge Gaps, and Emerging Issues: 2015*”

Journal : BioMed Research International . [impact factor = 2.706]

<http://www.hindawi.com/journals/bmri/si/436586/cfp/>

Associate editor and Editorial Board member for:

- 1- Scientific Reports (Nature Publishing Group), Impact factor 5.578

<http://www.nature.com/srep/about/index.html>

- 2- Frontiers in Microbiology (Impact factor 4.076)

http://www.frontiersin.org/Food_Microbiology/editorialboard?field=Microbiology

- 3- Frontiers in Plant Sciences (Impact factor 4.298)

<https://www.frontiersin.org/journals/plant-science>

- 4- PeerJ (Impact factor 2.18)

<https://peerj.com/search/?q=abd+el+latif+hesham%20Egypt&t=&type=editor&subject=&topic=&uid=&sort=>

- 5- Current Bioinformatics (Impact factor 0. 6)

<http://benthamscience.com/journal/editorial-board.php?journalID=cbio#top>

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<http://www.jeb.co.in/>

- 8- Genetics and Molecular Research (Impact factor 0.764)

<https://www.geneticsmr.com/>

- 9- Hereditary Genetics

<https://www.omicsonline.org/editorialboard-hereditary-genetics-open-access.php>

- 10- International Journal of Genetics

<https://bioinfopublication.org/journal.php?opt=azjou&jouid=BPJ0000226>

PUBLISHED BOOK

"Biodegradation of petroleum compounds and Environmental Meta-Genomics"

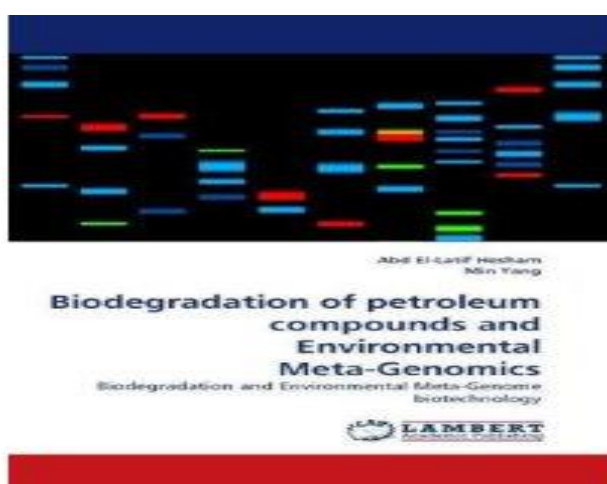
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