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| <b>NAME</b>             | Samia Qassim Alghamdi  |
| <b>NATIONALITY</b>      | Saudi  |
| <b>DATE OF BIRTH</b>    | 10 <sup>th</sup> April 1981  |
| <b>CONTACT ADDRESS</b>  | Albaha University<br>Faculty of Science, Department of Biology<br>Albaha<br>Saudi Arabia<br><br>Mobile: +966 (0) 509333922<br>E. mail: sqassim@bu.edu.sa |
| <b>CURRENT POSITION</b> | Assistant Professor, Department of Biology, Faculty of science, Albaha University, Albaha, Saudi Arabia  |

**ACADEMIC CAREER**

| <b>Degree</b> | <b>Specialization</b>       | <b>Institution</b>  | <b>Year</b> |
|---------------|-----------------------------|---|-------------|
| <b>Ph.D.</b>  | Medical Parasitology        | Faculty of health and life science (Affiliated to the University of Liverpool, Liverpool, UK.   | 2019        |
| <b>M.Sc.</b>  | Parasitology and arthropods | College: girls education college, science departments, King Abdul-Aziz University, Jeddah, KSA. | 2009        |
| <b>B.Sc.</b>  | Zoology                     | College: girls education college, Science Departments, Al-Baha, KSA.                            | 2003        |

**RESEARCH INTEREST**

My research interests are on Rodent mite, fleas and tick-borne disease in Saudi Arabia, and investigating the relationship between bacterial pathogens and symbionts in ticks, fleas and chigger mites.

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| Member of the British Society for Parasitology (BSP), UK.   |
| Member of Al-Baha Creativity and Excellence Award, Al-Baha city   |
| Member of the Egyptian Society for Parasitology, Egypt  |
| Member of Jodah as coordinator in females section at Faculty of Science, Department of Biology Al-Baha University . |
| Member of institute of Studies and consulting services Al-Baha University.  |
| Member of Saudi Society for Clinical Laboratory Science.  |

**WORK EXPERIENCE:**

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| <b>2021</b>         | A member in the 33 <sup>rd</sup> meeting of Saudi Biological Society:Sustainable Development conference in Al-Baha Region held on 9-11 March 2021. |
| <b>2019</b>         | Participation in the Meet Scientists event held at the world museum Liverpool, UK.   |
| <b>2018</b>         | Collaborative research visit to Naturelle in Paris at Museum National d'Historie required training in the life cycle tropical rat mite, Paris.     |
| <b>2016-2019</b>    | Practical Demonstrator at Faculty of health and life science, University of Liverpool, Liverpool, UK.  |
| <b>2016-2017</b>    | Field work at Muhayil Asir and Abha for PhD research collecting ectoparasites from Rodents from Mountains and agricultures.                        |
| <b>2009 to date</b> | Lecturer at faculty of Science at Albaha University, KSA.  |
| <b>2008-2009</b>    | Assistant teaching at faculty of Science at Albaha University, KSA.  |
| <b>2007-2008</b>    | Assistant teaching in girl's education college, 2007-2008, Baljurashi for 6 months.  |
| <b>2006-2008</b>    | Teaching at zoology Laboratory for 3 years at College: girls education college, science departments, King Abdul-Aziz University, Jeddah, KSA.      |

**PUBLICATIONS**

- Alghamdi, S.Q.**, Alkathiry, H.A., Stekolnikov, A.A., Alagaili, A.N. and Makepeace, B.L., 2023. Additions to the *chigger mite* fauna (Acariformes: Trombiculidae) of Saudi Arabia, with the description of a new species. *Acarologia*, 63(1), pp.3-23.
- Alkathiry, H.A., **Alghamdi, S.Q.**, Morgan, H.E., Noll, M.E., Khoo, J.J., Alagaili, A.N. and Makepeace, B.L., 2023. Molecular detection of *Candidatus Orientia chuto* in wildlife, Saudi Arabia. *Emerging Infectious Diseases*, 29(2), p.402.
- Elmahallawy, E.K., Köster, P.C., Dashti, A., **Alghamdi, S.Q.**, Saleh, A., Gareh, A., Alrashdi, B.M., Hernández-Castro, C., Bailo, B., Lokman, M.S. and Hassanen, E.A., 2023. Molecular detection and characterization of *Cryptosporidium spp.*, *Giardia duodenalis*, and *Enterocytozoon bienersi* infections in *Dromedary camels (Camelus dromedaries)* in Egypt. *Frontiers in Veterinary Science*, 10, p.1139388.

4. Metwally, D.M., Al-Turaiki, I.M., Altwaijry, N., [Alghamdi, S.Q.](#) and Alanazi, A.D., 2021. Molecular Identification of *Trypanosoma evansi* Isolated from Arabian Camels (Camelus dromedarius) in Riyadh and Al-Qassim, Saudi Arabia. *Animals*, 11(4), p.1149.
5. [Alghamdi, S.Q.](#), Low, V.L., Alkathiry, H.A., Alagaili, A.N., McGarry, J.W. and Makepeace, B.L., 2021. Automatic barcode gap discovery reveals diverse clades of *Rhipicephalus spp.* and *Haemaphysalis spp.* ticks from small mammals in Asir, Saudi Arabia.
6. Rahman, M., Rahaman, M., Islam, M., Rahman, F., Mithi, F.M., Alqahtani, T., Almikhlaifi, M.A., [Alghamdi, S.Q.](#), Alruwaili, A.S., Hossain, M. and Ahmed, M., 2022. Role of Phenolic Compounds in Human Disease: Current Knowledge and Future Prospects. *Molecules*, 27(1), p.233.
7. Khan, S.A., Mahyoub, J.A., Al-Ghamdi, K.M., [Alghamdi, S.Q.](#), Alghamdi, T.S. and Gharsan, F.N., 2021. Assessment of Conventional Insecticides Against Common Bed Bugs Cimex Hemipterus (Hemiptera: Cimicidae) in Jeddah Province, Saudi Arabia. *Biosciences Biotechnology Research Asia*, 18(4), pp.757-765.
8. [Alghamdi, S., 2019.](#) *The vector biology and microbiome of parasitic mites and other ectoparasites of rodents* (Doctoral dissertation, University of Liverpool).
9. Stekolnikov, A.A., [Al-Ghamdi, S.Q.](#), Alagaili, A.N. and Makepeace, B.L., (2019). First data on chigger mites (Acariformes: Trombiculidae) of Saudi Arabia, with a description of four new species. *Systematic and Applied Acarology*, 24(10), pp.1937-1963.
10. [Alghamdi, S.Q.](#), Alagaili, A.N., Stekolnikov, A.A., McGarry, J.W., Darby, A.C. and Makepeace, B.L., 2019, September. The Vector Biology of Ectoparasites on Rodents from the 'Asir Region of Saudi Arabia. In *Transactions of the Royal Society of Tropical Medicine and Hygiene* (Vol. 113, pp. S100-S100). GREAT CLARENDON ST, OXFORD OX2 6DP, ENGLAND: OXFORD UNIV PRESS. (conference paper).

#### PRESENTATION AT SCIENTIFIC MEETINGS & CONFERENCES

##### ORAL PRESENTATION

- 1- Anti-external parasites of ticks (*Hyalomma dromedarii*) in camels activity via greenly synthesized NiO Nanoparticles Presented at the International Conference and Exhibition -for Science (ICES2023), held in Riyadh, Saudi Arabia, on February 06-08, 2023.

2-The 33<sup>rd</sup> meeting of Saudi Biological Society: Sustainable Development conference in Albaha Region held on 9-11 March 2021.

3- Diverse bacterial symbionts and pathogens in multiple clades of Rhipicephalus and Haemaphysalis ticks from rodents in Asir, Saudi Arabia. Presented in the Vector-Borne Disease Conference, 2020 Online session: Vector/Pathogen/Endosymbiont Interactions as speaker: 16<sup>th</sup> November 2020 at the University of Liverpool, UK.

4-The vector biology and microbiome of parasitic mites and other ectoparasites of rodents. Presented at the British Society for Parasitology BSP meeting Invited as speaker: spring meeting 15<sup>th</sup> -18<sup>th</sup> April 2019, held at the University of Manchester, UK

5-The Vector Biology of Rodent ectoparasites, presented in Derby suite of the foundation building, held at the University of Liverpool, 23<sup>rd</sup> Nov 2016.

#### **POSTER PRESENTATION**

1- Biosynthesis, characterization, antiparasitic, and antimicrobial activities of NiO-NP using olive leaf extract Presented at the College of Science, Jouf University, January 29-31, 2023

2-The vector biology and microbiome of parasitic mites and other ectoparasites of rodents. Presented at the royal society of tropical medicine and Hygien Northumberland House, 17<sup>th</sup> -21<sup>st</sup> Sep 2019, Liverpool, UK.

3-The vector biology and microbiome of parasitic mites and other ectoparasites of rodents. Presented at the British Society for Parasitology BSP meeting Invited as speaker: spring meeting 15<sup>th</sup> -18<sup>th</sup> April 2019, held at the University of Manchester, UK

4-The First Investigation of Chigger Mite Diversity on Rodents from the 'Asir Region of Saudi Arabia. Presented at the British Society for Parasitology BSP meeting: spring meeting 8<sup>th</sup> -11<sup>th</sup> April 2018, Aberystwyth University, Wales, UK.

5-Chigger mite diversity on rodents from the Asir region of Saudi Arabia. Presented at Vector-Borne Disease Foresight Centre, at the University of Liverpool, 29<sup>th</sup> -30<sup>th</sup>, 2016, UK

#### **TECHNICAL EXPERTISE:**

DNA extraction.

Gel-electrophoresis.

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| Molecular Tools: Conventional Polymerase Chain reaction (PCR), Polymerase Chain reaction (RT-PCR), DNA cloning, and Nested-PCR techniques. |
| Bioinformatics tools: The Basic Local Alignment Search Tool (BLAST), GenBank, alignment and assembly of DNA.                               |
| Purification of DNA.   |
| Oxford Nanopore sequencing on the MinION Sequencing and Genome.  |
| Analyses the 16S rRNA microbiome profile by using Quantitative Insights into Microbial Ecology (QIIME) software package, QIIME 2.          |

**WORKSHOP and TRAINING PROGRAMS:**

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| <b>2023</b> | Attended online workshop titled: Genome-wide Differential gene expression analysis using Linux operating system and R Programming language on Tuesday 14/February 2023 at the University of Tabuk, KSA.  |
| <b>2021</b> | Attended the Diagnosis of Vector Borne Disease Webinar on Tuesday, July 27, 2021.  |
| <b>2020</b> | Attended course of the higher education academy in recognition of attainment against the "UK Professional Standards Framework" for teaching and learning support in higher education and achieved Associate fellow of the higher education academy at the University of Liverpool, UK. |
| <b>2020</b> | Attended online course entitled BioBanking Essentials dated on September 30, 2020, at King Fahad Medical City, KSA.  |
| <b>2019</b> | Attended the course R for the beginners for 3 days at university of Liverpool, UK.   |
| <b>2018</b> | Attended Workshop Metagenetic analysis of bacterial communities at university of Liverpool, UK.  |
| <b>2018</b> | Attended workshop entitled the seven secrets of highly successful research students at university of Liverpool, UK.  |
| <b>2018</b> | Attended workshop entitled how to promote your research on the web at university of Liverpool, UK.   |

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| <b>2017</b> | Attended the training session for an invigilation induction at University of Liverpool, UK.   |
| <b>2016</b> | Attended workshop about the development needs analysis and supervisor development at the University of Liverpool, UK.               |
| <b>2016</b> | Attended the Beginners? Guide to Public Engagement Training session at the University of Liverpool, UK.                             |
| <b>2016</b> | Attended Blastocystis in post-traumatic splenectomized patient at the University of Liverpool, UK.                                  |
| <b>2016</b> | Attended Demonstrating and Laboratory -Based Practical Teaching for Graduate Teaching Assistants at the University of Liverpool, UK |
| <b>2016</b> | Attended Statistical Course for one week at the University of Liverpool, UK.  |
| <b>2016</b> | Attended a Managing Biosafety in the Laboratory at the University of Liverpool, UK.   |
| <b>2016</b> | Attended Interdisciplinary Conferences workshop (Health and Life Sciences) at the University of Liverpool, UK.                      |
| <b>2016</b> | Attended workshops about Introduction to Professional Development for Researchers (HLS) at the University of Liverpool, UK.         |
| <b>2015</b> | Attended Delivering Academic Presentations workshop at the University of Liverpool, UK  |
| <b>2015</b> | Attended the Safety for Research Students induction in SR5 Management School at the University of Liverpool, UK.                    |
| <b>2008</b> | Attended Workshop " E-learning and its tools" at Albaha University, KSA   |
| <b>2008</b> | Training program "scholarship preparation" at Albaha University, KSA.   |
| <b>2008</b> | Attended Workshop "Fourth Academic Production Forum" at faculty of Science at Albaha University, KSA                                |

**LANGUAGES:**

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| <b>Arabic:</b> speaking/reading/writing (native language) |
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**English:** speaking/reading/writing