

Curriculum Vita

Reem Atalla Alajmi

General Information

Current position	Associated professor
Date of Birth	20/10/1976
Nationality	Saudi
Address (Work)	Zoology Department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia
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Languages

- Arabic
- English

Education

Ph.D	2011, Entomology (Molecular Entomology), Department of Zoology, Science faculty, King Saud University, Riyadh, Saudi Arabia
M.Sc.	2005, Entomology (molecular Entomology), Department of Zoology, Science faculty, King Saud University, Riyadh, Saudi Arabia.
B.Sc.	1997, Biology, Department of Biology, United Arab Emirates University, Al-Ain, United Arab Emirates.

Career History

Vice dean of female stuents affairs in science collage	6/2020- present: Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Vice dean assistance for postgraduate studies and scientific research	2019- 6/2020: Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Deputy head of Zoology Department	2014- 2019: Zoology department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia.
Associated Professor	2018: Zoology department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia.
Assistant Professor	2011- 2018: Zoology department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia.
Lecturer	2008- 2011: Zoology department, Faculty of Science, King

	Saud University, Riyadh, Saudi Arabia.
Administrator	2001- 2008: Zoology department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia.
Volunteer administrator	2000- 2001: Zoology department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia.

Committees Participation

Member in the students affairs committee	2020-present: Faculty of Science, King Saud University, Riyadh, Saudi Arabia.
Member in the management committee of executive master's program in pure criminal science	2020-present: Faculty of Science, King Saud University, Riyadh, Saudi Arabia.
Member in the implementation and follow-up of precautionary measures	2020-present: Faculty of Science, King Saud University, Riyadh, Saudi Arabia.
Member in the research ethical approval committee	2019- present: Naif Arab University for Security Sciences, Riyadh, Saudi Arabia
The head of the postgraduate unite in Science faculty/ female section	2019- 2020: Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Member in the interdisciplinary post graduate program committee	2019- 2020: Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Member in the statistic committee	2019- 2020: Zoology Department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Member in the Zoology department's steering committee	2014- 2019: Zoology Department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Member in Arabic Scientific group for Forensic Entomology/ Arab Society for Forensic Science and Forensic Medicine	2018- present: Naif Arab university for security science, Riyadh, Saudi Arabia
Member in office and labs distribution committee	2015- 2019: Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Member in Annual budget distribution committee	2015- 2018: Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Member in Alumni and humane resources committee	2014- 2019: Zoology Department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Member in postgraduate committee	2012- 2019: Zoology Department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Member in equipment, chemicals and consumables ordering committee	2009- 2015: Zoology Department, Faculty of Science, King Saud University, Riyadh, Saudi Arabia
Coordinator of monitoring program	2011-02013: Faculty of Science, King Saud University,

Riyadh, Saudi Arabia

Conferences and Workshops

Conference or workshop title	Type of participation	Time	Place
The fifthe international conference of the Arab society for forensic science and forensic medicine	Oral presentation	24/11/2021	Naif Arab university for security science
The Sixth Forum of Local Committees for Research Ethics and Training Course	attendance	18/11/2021	Online
Knowledge integration forum (Mentorship)	Oral presentation	23/11/2020	Online conference
Digital World Congress of Forensic Entomology	attendance	15-18/9/2020	Online conference
PH425x: MalariaX: Defeating Malaria from the Genes to the Globe. Online course.	attendance	4/5/2020-10/5/2020	Online course Harvard university
Lab Animal Research (wildlife research) Online course	attendance	7/5/2020	Online course CITI program
Lab Animal Research (reducing pain and distress in laboratory mice and rats) Online course	attendance	6/5/2020	Online course CITI program
Animal Biosafety online course	attendance	6/5/2020	Online course CITI program
GCC Forensic conference and Exhibition	Oral presentation	13-14/11/2019	Gulf hotel, Bahrain
Workshop in the Quality Assurance in Criminal DNA Analysis, Comparison of Present and Future	attendance	28/11/2018	Naif Arab University for Security Science- Riyadh, Saudi Arabia
Workshop in Guidelines: Go ahead and build a manual for best practices in handwriting scanning	attendance	27/11/2018	Naif Arab University for Security Science- Riyadh, Saudi Arabia
The 4 th international conference on forensic Sciences	Oral presentation in the workshop	27-29/11/2018	Naif Arab University for Security Science- Riyadh, Saudi Arabia
The 4 th international conference on forensic Sciences	Poster	27-29/11/2018	Naif Arab University for Security Science- Riyadh, Saudi Arabia

Program in Course Specification and Report	attendance	7-8/11/2018	King Saud University, Riyadh, Saudi Arabia
Developing Woman Leaderships for Departments Vice Chair	attendance	23/1/2018 6/5/1439	King Saud University, Riyadh, Saudi Arabia
Thinking skills and integrating into curriculum	attendance	14/11/2017	King Saud University, Riyadh, Saudi Arabia
۳۲ rd meeting of Saudi Biological Science	Oral presentation	18-20/4/2018	Um-Alqurah University- Makkah- Saudi Arabia
Second Saudi International Conference of Forensic Medicine and Science	Oral presentation	5-8/3/2017	InterContinental, Riyadh, Saudi Arabia
Mechanisms of discovering talented and creative and their teaching	attendance	20/12/2016	King Saud University, Riyadh, Saudi Arabia
Fundamentals of Job evaluations	attendance	24/3/2016	King Saud University, Riyadh, Saudi Arabia
SWOT workshop	attendance	9/3/2016	King Saud University, Riyadh, Saudi Arabia
The European Association for forensic Entomology 12 th meeting	attendance	6-9/5/2015	University of Huddersfield, U.K.
HR planning in Academic Departments	attendance	19/1/2014	King Saud University, Riyadh, Saudi Arabia
Woman leader in higher education	attendance	8/12/2014	Marriott hotel, Riyadh, Saudi Arabia
8th International Congress of Dipterology	attendance	10-15/8/2014	Potsdam, Germany

Community Services

Type of participation	Year	Organization	Place
Judge in the Main Judging Committee in The National Olympiad for Scientific Creativity	2022	King Adulaziz and his companions foundation for Giftedness and Creativity (Mawhiba)	Riyadh, Almadinah, Saudi Arabia
Lecture on how to write your scientific reserch for school students who participate in the national olympiad for scientific creativity	2021	King Adulaziz and his companions foundation for Giftedness and Creativity (Mawhiba)	Online
Judge in the Main Judging Committee in The National Olympiad for Scientific Creativity	2020, 2021	King Adulaziz and his companions foundation for Giftedness and Creativity (Mawhiba)	Online
Literature in forensic Entomology and its applications	2019	Deanship of library affairs in KSU	Main library (female campus), KSU, Riyadh, Saudi Arabia
Workshop in DNA extraction from animal tissues and measuring the concentration and purity of extracted DNA	2019	King Saud University	Faculty of Science- Riyadh, Saudi Arabia
Workshop in DNA extraction from animal tissues, PCR and Gel electrophoresis	2019	King Saud University	Zoology department- Faculty of Science- Riyadh, Saudi Arabia

Workshop in DNA extraction from animal tissues	2018	King Saud University	Riyadh, Saudi Arabia
Judge in the Main Judging Committee in The National Olympiad for Scientific Creativity	2016	King Adulaziz and his companions foundation for Giftedness and Creativity (Mawhiba)	Riyadh, Saudi Arabia
Judge in the Main Judging Committee in The National Olympiad for Scientific Creativity	2015	King Adulaziz and his companions foundation for Giftedness and Creativity (Mawhiba)	Riyadh, Saudi Arabia
The head of the Judging Committee in The National Olympiad for Scientific Creativity	30/1/2014	King Adulaziz and his companions foundation for Giftedness and Creativity (Mawhiba)	AlQassim, Saudi Arabia

Patents and Awards

- Bee Venom Nanoparticles. United State Patent.
- Mangosteen Nanoparticles. United State Patent.
- Methanol extract of grape seed nanoparticles. United State Patent.
- GUAVA seed (PSIDIUM GUAJAVA) nanoparticles as antibacterial agents. United State Patent.
- Science Faculty Dean award for best deputy head among the departments of Science faculty- King Saud University in 2019.
- Shike Zaied Bin Sultan Al-Nehian award for graduate student with honor in Emirates University in 1998.

Publications and Translations

Haider Karar, Muhammad Umar Javed, Muhammad Yaseen, Muhammad Anjad Bashir, Asif Sajjad, Muhammad Essa, Muhammad Wajid, Muhammad Mubashir, Ghulam Mustafa, Muhammad Zubair, Salwa Alreshaidan, Sagheer Atta, Muhammad Ibrahim, **Reem A. Alajmi**. (2022). Comparative efficacy of conventional vs new chemistry insecticides against mango thrips, scirtothrips dorsalis hood (Thripidae: Thysanoptera). Journal of King Saud University-Science. 34, 102233. <https://doi.org/10.1016/j.jksus.2022.102233>.

Nawal M. Al Malahi, Masaa M. Al Jumaily, Elham A.S. Al-shaibani, **Reem A. Alajmi**, Afrah F. Alkhuriji, Jameel Al-Tamimi, Ahmad R Alhimaidi. (2022). Ameliorative effect of L-carnitine on lambda-cyhalothrin-induced anatomical and reproductive aberrations in albino mice. Saudi Journal of Biological Science. 29, 103373. <https://doi.org/10.1016/j.sjbs.2022.103373>.

Hussah Mohammed ALOBAID, Amal Hassan ALZHRANI, Nada Ali MAJRASHI, Afrah Fahad ALKHURIJI, **Reem Atalla ALAJMI**, Hany Mohamed YEHIA, Manal Ahmed AWAD, Alanood Sunhat ALMURSHEDI, Ahmad Tayseer ALMNAIZEL, Manal Fawzy ELKHADRAGY. (2022). Effect of biosynthesized silver nanoparticles by Garcinia

mangostana extract against human breast cancer cell line MCF-7. Food Science and Technology. Online. DOI: <https://doi.org/10.1590/fst.41622>.

Bahawal Sana, Ghulam Murtaza, Hamas Mahmood, Muhammad Amjad Bashir, Munaza Batool, Muhammad Shahid Nisar, Iram Aziz, **Reem A. Alajmi**, Asif Mehmood, Fahad Al-Zuaibr, Mohamed Hashem, Abdulrahman Alasmari, Mohammed Ali Alshehri, Malak Yahia Qattan, Rashid Abbas, Saad Alam. Population dynamics of aphids and its predators alongwith its management. Journal of King Saud University-Science. 34: 102024. <https://doi.org/10.1016/j.jksus.2022.102024>.

Muhammad Amjad Bashir, Munaza Batool, Huma Khan, Muhammad Shahid Nisar, Hasnain Farooq, Mohamed Hashem, Saad Alamri, Manal A. El-Zohri, **Reem A. Alajmi**, Muhammad Tahir, Rashid Jawad. (2022). Effect of temperature & humidity on population dynamics of insects' pest complex of cotton crop. Plos One. Online. <https://doi.org/10.1371/journal.pone.0263260>.

Reem A. Alajmi, Ibrahim A. H. Barakat, Loloa Alfozan, Amany Mahmoud, Laila Layqah, Hany M. Yehia, Dina M. Metwally. (2022). Microbiological investigation study for *Apis mellifera yemenitica* and *Apis mellifera carnica* bee venoms on selected bacterial strains. Brazilian Journal of Microbiology. Online. <https://doi.org/10.1007/s42770-021-00656-3>.

Muhammad Yousaf Ali, Shahid Saleem, Nudrat abbas, Umar Iqbal, UmairAslam, Mussarat Shaheen, Taj Muhammad, Muhammad Amjad Bashir, Sagheer Atta, Reem A. Alajmi, Abdulrahman Alasmari, Fahad Mohammed, AlzuaibrMohammed, Ali Alshehri. (2022). Use of Botanical Spray to delay application of first pesticide against sucking pests of cotton which ultimately mitigate climate change. Journal of King Saud University-Science. 34: 101903.

Muhammad Essa, Muhammad Ahmed Taj, Muhammad Hakim Khan, Muhammad Amjad BashirI, Hasnain Farooq, **Reem A. Alajmi**, Mohamed Hashem, Saad Alamri, Manal A. El-Zohri, Kaleem Ullah. (2022). Awareness and perception of malaria and dengue at school and college level in the district of Multan. Plos One. Online. <https://doi.org/10.1371/journal.pone.0260868> F.

Aaishah Kaabi, Ibrahim Barakat, **Reem Alajmi**, Areej Al-Khalaf, Ommati Mehdi. (2022). Ameliorative effect of bee products on in vitro maturation of sheep oocytes. Veterinarni Medicina. 67: Online. <https://doi.org/10.17221/211/2020-VETMED>.

Eman Al-Nabati, **Reem Alajmi**, Dina M. Metwally, Isra M. Al-Turaiki, Guillermo Tellez-Isaias, Rewaida Abdel-Gaber. (2022). Molecular Detection of Tick-Borne Rickettsial Pathogens Associated with the Arabian Camel (*Camelus dromedarius*) in Riyadh and the Eastern Region, Saudi Arabia. Acta Parasitologica. <https://doi.org/10.1007/s11686-022-00520-w>.

Su Zameer, M. Ali, A. Sajjad, S. Saeed, A. Matloob, Muhammad Amjad Bashir, **Reem A. Alajmi**, Billy M. Hargis, Mohamed Hashem, Saad Alamri, Sagheer Atta. (2022). Foraging behavior and visit optimization of bumblebees for the pollination of greenhouse tomatoes. Journal of King Saud University-Science. 34: 101744-101748.

Mussarat Shaheen, Hafiz Abdul Rauf, Muhammad AhmedTaj, Muhammad Yousaf Ali, Muhammad Amjad Bashir, Sagheer Atta, Hasnain Farooq, Reem A. Alajmi, Mohamed Hashem, Saad Alamri. (2021). Path analysis based on genetic association yield components and insects pest in upland cotton varsities. Plos ONE. Online.

Dina M. Metwally , **Reem Alajmi** , Muslimah N. Alsulami , Isra M. Al-Turaiki , Rewaida Abdel-Gaber, Afrah F. Alkhuriji , Haleema H. Albohri, Khalil Mohamed, Hanadi B. Baghdadi, Manal F. El-Khadragy, Guillermo T. Isaias and Saeed El-Ashram. (2021).

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Eman Al-Nabati, Safyah Ali, Saleh Al-Quraishy, **Reem Alajmi**, Esam M. Al-Shaebi, Hossam M. A. Aljawdah, Mohamed A. Dkhil, Rewaida Abdel-Gaber. (2021). *Heteromicrocotyla polyorchis* Unnithan, 1961 (Monogenea: Heteromicrocotylidae), a gill parasite of the yellow-spotted trevally, *Carangoides fulvoguttatus* (Carangidae) from Saudi Arabia: Morphology and phylogeny. Microbial Pathogenesis. 160: 105165.

Rewaida Abdel-Gaber, **Reem Alajmi**, Rania Haddadi. (2021). Identifying two moth species (Lepidoptera: Ditrysiina) from Saudi Arabia using mitochondrial 16S rRNA sequences. Saudi Journal of Biological Science. 28: 7253-7256.

Dina M Metwally, **Reem A Alajmi**, Mona D Al- Shammari, Isra M Al-Turaiki, Mohammed A Alkuriji, Muhammad Amjad Bashir, Noura J Alotaibi, Saeed El-Ashram, Zainab Almusawi. (2021). Identificación of aphid species isolated from tomato crops using phylogenetic approaches in Riyadh and Hafar Al-Batin, Saudi Arabia. Fresenius Environmental Bulletin. 30(08/2021): 9763-9770.

Haider Karar, Muhammad Amjad Bashir, Reem Atalla Alajmi, Dina M. Metwally, Muneeba Haider, Najeeba Haider, Samad Raza, Ali Bakhsh, Rania Haddadi. (2021). Farmers' knowledge, perception and management of mango mealy bug, *Drosicha mangiferae* Green (Hemiptera: Monophlebidae), on *Mangifera indica* in Punjab, Pakistan. Saudi Journal of Biological Science. 28(7): 3936-3942.

Haider Karar, Muhammad Amjad Bashir, Abdul Khaliq, Muhammad Jaffar Ali, **Reem Atalla Alajmi**, Dina M. Metwally. (2021). Stink bug *Agonoscelis* spp. (Heteroptera: Pentatomidae) – An emerging threat for seed production in alfalfa crop (*Medicago sativa* L.) and their successful management. Saudi Journal of Biological Science. 28(6): 3477-3482.

Reem Alajmi, Mona Al-Shammari, Rewaida Abdel-Gabera, Dina Metwally, Manal F.El-Khadragy, Albandary Alrajeh. (2021). Effectiveness of naturally occurring *Aphis gossypii* on tomato plants as a bio-indicator for heavy metals in Riyadh and Hafar Al-Batin, Saudi Arabia. Saudi Journal of Biological Science. 28 (7): 4096-4101.

Haider Karar, Muhammad Amjad Bashir, Abdul Basit, Sagheer Atta, Ahmad Ali Anjum, Ali Bakhsh, Arif Hussain, Abid Hameed, Yong Wang, **Reem Atalla Alajmi**, Dina M. Metwally, Muhammad Imran. (2021). Effect of host plant on cornucopia of mango fruit flies (Diptera: Tephritidae) and their triumphant management in context of climate change. Saudi Journal of Biological Science. 28:2366-2373.

Dina M. Metwally, Shurug A. Albasyouni, Ibrahim A.H. Barakat, Isra M. Al-Turaiki, Amal M. Almuhanha, Muhammad A. Bashir, Hanadi B. Baghdadi, Manal F. El-Khadragy and **Reem A. Alajmi**. (2021). Prevalence Rate and Molecular Characteristics of *Oestrus ovis* L. (Diptera, Oestridae) in Sheep and Goats from Riyadh, Saudi Arabia. Animals. 11: 689.

Abdul Basit, Muhammad Farhan, Mureed Abbas, Yong Wang, De-Gang Zhao, Amin U. Mridha, Abdel Rehman Mohammad Said Al-tawaha, Muhammad Amjad Bashir, Muhammad Arif, Sohail Ahmed, **Reem Atalla Alajmi**, Dina M. Metwally, Manal F.El-

- Khadragey. (2021). Do Microbial Protein Elicitors PeaT1 Obtained from *Alternaria tenuissima* and PeBL1 from *Brevibacillus laterosporus* Enhance Defense Response against Tomato Aphid (*Myzus persicae*)?. *Saudi Journal of Biological Science*.28(6): 3242-3248.
- Muhammad Shahid Nisar, Muhammad Amjad Bashir, Manal El- Khadragey, **Reem Atalla Alajmi**, Dina M. Metwally, Hassan Ramzan, Sohail Ahmed. (2021). Screening of wheat varieties for resistance against red flour beetle *tribolium castaneum* (HERBST 1797) (Tenebrionidae, Coleoptera). *Fresenius Environmental Bulletin*. 30: 6728-6733.
- Reem A. Alajmi**, Dina M. Metwally, Manal F. El-Khadragey, Hany M. Yehia, Saeed El-Ashramg, Zainab Almusawi, Muhammad Amjad Bashir, Noura J. Alotaibi, Rewaida Abdel- Gaber. (2021). Molecular identification of *Campanulotes bidentatus* Scopoli, 1763 (Phthiraptera, Philopteridae) infecting the domestic pigeon *Columba livia* from Saudi Arabia. *Saudi Journal of Biological Science*. 28: 2613-2617.
- Dina M. Metwally, Tahani T. Al-Otaibi, Abdelhabib Semlali and **Reem A. Alajmi**. (2021). *Sarcocystis camelicanis* increases interleukin (IL)-6 expression in one-humped camels (*Camelus dromedarius*) from Riyadh and Al Qassim, Saudi Arabia. *Bioscience Reports*. 41(1). <https://doi.org/10.1042/BSR20203140>.
- Aaishah M. Kaabi1, Ibrahim A.H. Barakat1, and **Reem A. Alajmi**. (2021). Gene Expression and In Vitro Maturation of Sheep Oocytes using Bee Pollen and Bee Honey as Medium Supplements. *International journal of agriculture and biology*. 25:615–622. DOI: 10.17957/IJAB/15.1708
- Reem Alajmi**, Fayeza Alotaibi, Ashraf Ahmed, Mohammed Alkuriji, Albandary Alrajeh, Dina Metwally, Rania Haddadi, Nasser Almeaiweed, Bassam Almutairi. (2021). Gene expression as age estimation marker in the larval stages of the forensic blowfly, *Chrysomya albiceps*, at different temperatures. *Journal of Forensic and Legal Medicine*. 77. <https://doi.org/10.1016/j.jflm.2020.102096>.
- Fayeza Alotaibi, Mohammed Alkuriji, Salwa AlReshaidan, **Reem Alajmi**, Dina M. Metwally, Bassam Almutairi, Majed Alorf, Rania Haddadi, and Ashraf Ahmed. (2020). Body Size and Cuticular Hydrocarbons as Larval Age Indicators in the Forensic Blow Fly, *Chrysomya albiceps* (Diptera: Calliphoridae). *Journal of Medical Entomology*. 58 (3): 1048–1055. doi:10.1093/jme/tjaa256.
- Dina M. Metwally, **Reem A. Alajmi**, Manal F. Elkhadragey, Saleh Alquraishy. (2020). Silver Nanoparticles Biosynthesized with *Salvia officinalis* Leaf Exert Protective Effect on Hepatic Tissue Injury Induced by *Plasmodium chabaudi*. *Frontiers Veterinary Science*. Doi (<https://doi.org/10.5061/dryad.1ns1rn8s5>).
- Rewaida Abdel-Gaber, **Reem Alajmi**, Rania Haddadi, Saeed El-Ashram. (2020). The phylogenetic position of *Arhapha deviatca* within Hemipteran insects: A potential model species for eco-devo studies of symbiosis. *Journal of experimental Zoology (Molecular and developmental evolution)*.336(1): 73-78. <https://doi.org/10.1002/jez.b.23019>.
- Dina M. Metwally, Tahani T. Al-Otaibi, Shurug A. Albasyouni, Manal F. El-Khadragey and **Reem A. Alajmi**. (2020). Prevalence of eimeriosis in the one-humped camels (*Camelus dromedarius*) from Riyadh and Al-Qassim, Saudi Arabi. *Zoological Science*. DOI 10.7717/peerj.10347.
- Saeed El-Ashram, Yu Zhang, Yongsheng, Dina Salama, Kun Mei, Li Zhili, Huang Shujian, Haoji Zhang, Shawky M. Aboelhadid, **Reem A. Alajmi**, Dina M. Metwally, Manal F. El-Khadragey, Billy M. Hargis, Guillermo Tellez-Isaias, Beniamino T. Cenci-Goga,

- Musafiri Karama, Munyaradzi C. Marufu, Fathi Abouhajer, Gamal Ali Abdelhafez Hamady, Abeer El Wakil, Ibrahim Al Nasr, Xun Suo. (2020). A rapid and simple single-step method for the purification of *Toxoplasma gondii* tachyzoites and bradyzoites. *Veterinary medicine and science*. 7(2): 357-361. <https://doi.org/10.1002/vms3.364>
- Dina M. Metwally, **Reem A. Alajmi**, Manal F. El-Khadragy, Hany M. Yehiaf, Wafa A. AL-Megrin, Ahmed M. A. Akabawy, Hatem K. Amin, Ahmed E. Abdel Moneime. (2020). Chlorogenic acid confers robust neuroprotection against arsenite toxicity in mice by reversing oxidative stress, inflammation, and apoptosis. *Journal of functional food*. 75. 104202. <https://doi.org/10.1016/j.jff.2020.104202>.
- Zainab Mohammad, **Reem Alajmi**, Mohammed Alkuriji, Dina Metwally, Walid Kaakeh, and Nasser Almeaiweed. (2020). Role of *Chrysomya albiceps* (Diptera: Calliphoridae) and *Musca domestica* (Diptera: Muscidae) Maggot Crop Contents in Identifying Unknown Cadavers. *Journal of Medical Entomology*. 58(1): 93-98. <https://doi.org/10.1093/jme/tjaa147>.
- Dina M. Metwally, Tahani T. Al-Otaibi, Isra M. Al-Turaiki, Manal F. El-Khadragy and **Reem A. Alajmi**. (2020). Identification of *Sarcocystis* Spp. in One-humped Camels (*Camelus dromedarius*) from Riyadh and Dammam, Saudi Arabia, via Histological and Phylogenetic Approaches. *Animals*. 10(7): 1108; doi:10.3390/ani10071108.
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- Ibrahim Abdalla Hassan Barakat, Aaishah M. Kaabi, **Reem A. Alajmi**. (2020). The role of honeybee pollen as a natural source of antioxidants in the in vitro maturation medium of sheep oocytes and its effect on gene expression. *Environmental Science and Pollution Research*. 27:31350–31356. <https://doi.org/10.1007/s11356-020-09386-9>
- Aaishah M. Kaabi, Ibrahim Abdalla Hassan Barakat, **Reem A. Alajmi**, Mohamed M. Abdel-Daim. (2020). Use of black seed (*Nigella sativa*) honey bee to improve sheep oocyte maturation medium. *Environmental Science and Pollution Research*. 27: 33872-33881. <https://doi.org/10.1007/s11356-020-09504-7>.
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mitochondrial genes in molecular identification and phylogenetic analysis of termites. *Research Journal of Biotechnology*. 14(10): 30-40.

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Graduate Students Supervision

- **Master Degree:**
 - **As main supervisor: Faiza Alotaibi** (Age Estimation of *Chrysomya albiceps* Larval Instars by Studying Morphological Characters and the Composition of Cuticular Hydrocarbons at Different Temperatures)
 - **As main supervisor: Zainab Abdullatif** (Effectiveness of *Chrysomaya albiceps* and *Musca domestica* Flies Larvae in Identifying Unknown Cadavers by Analyzing the Crop Contents). Date of grant: 16/10/2020
 - **As main supervisor: Mona Alshemmari** (The Effectiveness of Using Aphid Species Naturally Occurring on Tomato Plants as Heavy Metals Bioindicator in Hafar Al-Batin and Riyadh, Saudi Arabia).
 - **As Co-supervisor: Shrooq Albasuni:** (Prevalence and molecular identification of nasal myiasis causing larvae in sheep and goats in Riyadh, Saudi Arabia). Date of grant: 11/4/2021.
 - **As main supervisor: Luloa Alfozan** (Molecular Identification of Honeybees and Investigation of The Effect of Bee Venom on Some Bacterial Strains in Saudi Arabia). Date of grant: 12/3/2019
 - **As Co-supervisor: Aisha AlKabi** (Effect of Honey Bees and Some of its Products on the Rate of In Vitro Maturation and Gene Expression of Sheep Oocytes). Date of grant: 24/3/2019
 - **As Co-supervisor: Hala Aljuhani** (Molecular Identification of the Forensically Important Beetles (Coleoptera) Based on COI Gene in Selected Regions in Saudi Arabia. Date of grant: ٤/٥/201٧
 - **As main supervisor: Hind AlHarbi** (Molecular Identification of Camel Tick and Investigation of its Natural Infection by *Rickettsia* and *Borrelia* in Saudi Arabia. Date of grant: ١٢/٣/201٧
 - **As main supervisor: Sara AlShahrani** (Molecular and Ultrastructural Identification of the Human Head Louse (*Pediculus humanus capitis*) among Primary School Girls in Bisha Governorate, Saudi Arabia). Date of grant: 26/5/2015.
- **PhD Degree:**
 - **As supervisor: Sumaiah Algamdi:** Natural gut bacteria in *Aedes aegypti* mosquito its

correlation and susceptibility to Dengue fever virus in Saudi Arabia

- **As Co-supervisor: Eman Alnabati:** Morphological and molecular characterization of parasites infecting blood of the Arabian Camel (*Camelus dromedarius*) in Riyadh and Eastern Regions, Saudi Arabia.
- **As supervisor: Noura Alotaibi:** Molecular Diversity of Subterranean Termites (Order Isoptera) in Riyadh and Taif Cities, Saudi Arabia. Date of Grant: 4/4/2019.