

## BIOGRAPHICAL SKETCH

### Personal Information:

Name: Mohammad Adnan Abu Baker  
Nationality: Jordanian  
Present address: Department of Biological Sciences, The University of Jordan,  
Amman, 11942 Jordan. Tel. 962 6 5355000 ext. 22225.  
Email: ma.abubaker@ju.edu.jo.

### Education:

2011 Ph.D., Biological Sciences, **University of Illinois at Chicago**, Chicago, USA  
2002 M. Sc. Biological Sciences, Jordan University of Science and Technology, Irbid, Jordan.  
1998 B. Sc. Biological Sciences, Jordan University of science and Technology, Irbid, Jordan.

### Professional experience and positions:

Jan. 2018 – present Faculty member, Department of Biology, The University of Jordan, Amman, Jordan  
Sept. 2013–Jun. 2016 Postdoctoral Researcher, Biology Department, College of Arts and Sciences, Qatar University  
Sept 2011–May 2013 Visiting Assistant Professor, Biology Department, Gustavus Adolphus College.  
Dec 1998 –Dec 2002 Fauna Field Researcher, Research and Surveys Section, the Royal Society for the Conservation of Nature, Amman, Jordan.

### Teaching Experience:

Graduation project, 2020/2021 – 2022/2023 Biology Department, The University of Jordan.  
Evolution, 2019/2020 – 2023/2024 Biology Department, The University of Jordan.  
Vertebrate Anatomy, 2017/2018–2023/2024 Biology Department, The University of Jordan.  
General Biology, 2017/2018 – 2021/2022 Biology Department, The University of Jordan.  
Vertebrate Zoology, Spring 2013, Biology Department, Gustavus Adolphus College.  
Animal Behavior, Fall 2012, Biology Department, Gustavus Adolphus College.  
Principles of Biology, Fall 2012, Biology Department, Gustavus Adolphus College.  
General Ecology, Spring 2012, Biology Department, Gustavus Adolphus College.  
Ecology, Evolution and Behavior, Spring 2012-13, Biology Department, Gustavus Adolphus College.  
Biology for non-majors, Fall 2011, Biology Department, Gustavus Adolphus College.  
General Ecology Lab, 2008-2011, Biology Department, University of Illinois at Chicago.

### Grants and Awards:

Exchange scholar from the Field Museum of Natural History to conduct collection-based research in the museum's department of Zoology (July 1–August 15, 2004). April 23, 2004. \$2600.  
Africa council program/Field Museum of Natural History, Chicago USA. Fund granted to conduct dissertation research in South Africa. Nov. 9, 2006. \$3900.  
Idea Wild (research money in the form of equipment) July 20, 2007. \$1400.  
Committee on Research and Exploration, National Geographic Society (GRANT #8527-08). Fund granted to conduct dissertation research in South Africa. July 16, 2008. \$10,040.

### Conference presentations, invited talks and training:

IUCN-ROWA. 2019. Monitoring and Documentation of Biodiversity in Kuwait (workshop).  
Abu Baker, M.A. 2018. Biodiversity-Responsible Land use Planning: Using Standardized Multicriteria to Assess Conservation Value and Viability. Fourth Scientific Conference on Biodiversity, The Royal Society for the Conservation of Nature, Amman, Jordan. (talk).  
Abu Baker, M.A. 2017. Training Services for the GIZ Project “Sustainable Use of Ecosystem Services in Jordan” (EKF-ESS). Workshop for the Environmental Media on Ecology, Biodiversity & Ecosystem Services.  
Abu Baker, M.A. 2017. Biodiversity-Responsible Site Selection for Tourism: a land use perspective. Workshop for the UNDP Project: Mainstreaming Biodiversity in the Tourism Sector in Jordan on Green Tourism. (talk).

- Abu Baker, M.A. and Brown, J.S. 2012. Foraging behavior and habitat use of common duikers, *Sylvicapra grimmia* within the Soutpansberg, South Africa. Annual Meeting of the American Society of Mammalogists. (ASM), Reno, NV. (talk).
- Abu Baker, M.A. and Brown, J.S. 2010. Foraging, community structure, and landscape ecology of South African granivore communities. Annual Meeting of the Ecological Society of America (ESA), Pittsburgh, PA. (talk).
- Abu Baker, M.A. and Brown, J.S. 2009. Islands of fear: Effects of wooded patches on habitat suitability of the striped mouse (*Rhabdomys pumilio*) in a South African grassland. Annual Meeting of the Ecological Society of America (ESA), Albuquerque, NM. (poster).
- Abu Baker, M.A. and Brown, J.S. 2006. Patch area, substrate depth, and richness effects on the giving-up densities of mourning doves. Annual Meeting of the Ecological Society of America (ESA), Memphis, TN. (poster).

### **Society membership**

National Association of Biology Teachers

The Wildlife Society

### **Publications**

- Abu Baker, M.A.**, Villamil, L.A. Reeve, N., Karanassos, C., Mahtab, H. & Yamaguchi, N. 2018. Into the wild: Survival, movement patterns, and weight changes in captive Ethiopian hedgehogs, *Paraechinus aethiopicus* following their release. *Journal of Arid Environments*, 158: 43–46.
- Amr, Z.S., **Abu Baker, M.A.**, Qumsiyeh, M. & Eid, E. 2018. Systematics, distribution and ecological analysis of rodents in Jordan. *Zootaxa*, 4397 (1): 1–94.
- Abed, O.A., **Abu Baker, M.A.** & Amr, Z.A. 2019. Seasonal habitat selection and temporal activity patterns determine the structure of bat assemblages in Dhana Biosphere Reserve, Jordan (Mammalia: Chiroptera). *Zoology in the Middle East*, 65: 11–19.
- Amr, Z.S., **Abu Baker, M.A.** & Warrell, D.A. 2020. Terrestrial venomous snakes and snakebites in the Arab countries of the Middle East. *Toxicon*, 177: 1–15.
- Al Zoubi, M.Y., Hamidan, N.A., **Abu Baker, M.A.** & Amr, Z.S. 2020. Causes of raptor admissions to rehabilitation in Jordan. *Journal of Raptor Research*, 54(3): 273–278.
- Amr, Z.S., **Abu Baker, M.A.**, Al-Sarairoh, M. & Warrell, D.A. 2021. Scorpions and scorpion sting envenoming (scorpionism) in the Arab countries of the Middle East. *Toxicon*, 191: 83–103.
- Abu Baker, M.A.** Emerson, S.E., Gorman, J. & Brown, J.S. 2021. Dietary choices in a generalist herbivore, the eastern cottontail *Sylvilagus floridanus*, in urban landscapes. *Behaviour*, 158(5): 377–395.
- Abu Baker, M.A.**, Al-Sarairoh, M., Amr, Z.S. & Senter, P.J. 2021. Male-male combat in the large whip snake, *Dolichophis jugularis* (Serpentes: Colubridae). *Herpetology Notes*, 14: 735–744.
- Abu Baker, M.A.**, Katbeh-Bader, A., Ghlelat, A.A., Disi, A.M. & Amr, Z.S. 2021. Diet and food niche relationships of lizard assemblages in Jordan. *Herpetological Conservation and Biology*, 16(1): 117–127.
- O’Meara, D., O’Reilly, C., Abdullahi, A.A., **Abu Baker, M.A.** & Yamaguchi, N. 2021. Phylogeography of desert hedgehogs (*Paraechinus aethiopicus*) in Qatar: Implications for its intra-specific phylogeny and taxonomy. *Journal of Arid Environments*, 193: 104584.
- Abu Baker, M.A.**, Al-Sarairoh, M., Amr, Z., Amr, S.S., & Warrell, D.A. 2022. Snakebites in Jordan: A clinical and epidemiological study. *Toxicon*, 208 (March): 18–30.
- Abu Baker, M.A.** & Amr, Z.S. 2022. On the current status of *Ophiomorus latastii* Boulenger, 1887 (Reptilia: Squamata: Scincidae) in Jordan. *Herpetological Conservation and Biology*, 17(2): 343–348.
- Pola, L., Velenská, D., Prondzynska, K.M., Hejduk, V., Zíka, A., Winkelhöfer, T., **Abu Baker, M.A.**, Amr, Z.S. & Šmíd, J. 2023. More geckos, fewer gaps: diversity and distribution of *Hemidactylus* geckos (Squamata: Gekkonidae) in Jordan. *Systematics and Biodiversity*, 21:1, 2237033
- Al Ghamdi, A.R., Al Gethami, F., **Abu Baker, M.**, Al Atawia, T., Al Boug, A. & Amr, Z. 2023 Diet composition of the Pharaoh eagle owl, *Bubo ascalaphus*, across agricultural and natural areas in Saudi Arabia. *Brazilian Journal of Biology*, 83: e276117.