



CURRICULUM VITAE (CVA)
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Part A. PERSONAL INFORMATION

First name	MARWA		
Family name	KECHNEBBOU		
Gender (*)	Female	Birth date (31/05/1988)	
Social Security, Passport, ID number	Y6184801T		
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Open Researcher and Contributor ID (ORCID) (*)	0000-0001-8960-430X		

A.1. Current position

Position	Postdoc researcher		
Initial date	14/05/2025		
Institution	MNCN		
Department/Center	Evolutive Ecology		
Country	Spain	Teleph. number	914 11 13 28
Key words	Animal behavior, Ecology, Biodiversity conservation		

A.2. Previous positions (research activity interruptions, see call)

Period	Position/Institution/Country/Interruption cause
10/09/2024-09/10/2024	Giner de los Rios Fellowship/Univ. Alcalà de Henares/Madrid
23/10/2023-22/11/2023	Giner de los Rios Fellowship/Univ. Alcalà de Henares/Madrid
02/01/2023-30/08/2023	Tunisian Ministry of Higher Education Fellowship/CRRA Sidi Bouzid/Tunisia

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD in Ecology	Autonomous University of Madrid	2022
Master in Biology and Environment	University of Gabes/Tunisia	2012
Biology degree	University of Gabes/Tunisia	2010

Part B. CV SUMMARY

I obtained my PhD in Ecology in 2022 at the Autonomous University of Madrid (cum laude). Actually as a young researcher, I'm looking for such opportunity in order to improve my scientific career and academic skills.

During my previous research activities, I worked in an interdisciplinary research field when I joined climate science, animal behavior and biodiversity conservation. I carried out several investigations related to animal ecology. Within this area, I studied the effect of anthropogenic disturbance and climate change on the ecology and physiology of animal species. Furthermore, the main research interests were integrated species occurrences and WorldClim data to test the impact of global warming on the distribution of lizards species under current and future scenarios. Here, I applied different algorithms (Maxent, SVM, RDF, GLM) to compute the suitable distribution for the set of climatic variables associated with the occurrence records of the studied species. My models were trained with R, which allows using different packages and algorithms.

The results obtained have been published in ten international research papers and allowed for the presentation of five oral communications and four posters at international scientific seminars related to ecology and climate science. I gained my good written and oral communication skills in English by participations in international trainings and events (courses, webinars, conferences, workshops). In addition, I have good experience using statistical software (SPSS, SAS, Statistica, R) and mapping software (QGIS, Arcview, ArcGIS) which fueled my interest in data analysis and modeling. Moreover, I participated in two funded projects (MBZ, Project n° 232532205 and Oreal fondation for women in science, Project n°43359) as Principal Investigator (PI).

Part C. RELEVANT MERITS

C.1. Publications

1. **Kechnebbou, M.**, Belliure, J., Chammem, M. 2026. Habitat Occupancy and Microhabitat Use of *Uromastix acanthinura* in Arid Regions of Tunisia. Accepted for publication in *Journal of Animal biodiversity and Conservation*
2. **Kechnebbou, M.**, Belliure, J., Chammem, M. 2025. Field thermoregulatory behavior in the African spiny-tailed lizards *Uromastix acanthinura*. *Journal of Ichthyology & Herpetology* 112: 217-224.
3. Hamdi,E., Hidouri,S., Gonzalez, A,B., **Kechnebbou, M.**, Amara,S. 2025. Harnessing silica nanoparticles grafted with ascorbic acid to alleviate oxidative stress and impaired brain activity in rats.*Nano TransMed* 4, 100074.
4. Hamdi, E., Hidouri, S., **Kechnebbou, M.** et al. 2024. Ascorbic acid and glutamate as therapeutics for oxidative stress and behavioral dysfunction in rats exposed to zinc nanoparticles. *Toxicol. Environ. Health Sci.* <https://doi.org/10.1007/s13530-024-00246-4>

5. **Kechnebbou, M.**, de Carvalho, D.L., da Silva, P.H., Silva, D.P. 2021. Global warming drives range shifts in spiny-tailed lizards (Squamata: Agamidae: *Uromastyx*) in the African and Arabian deserts. **Journal of Arid Environments** 191: 104522.
6. Ben Amor, A., Nizar, C., Elloumi, N., **Kechnebbou, M.**, Yahia, L., Lachiheb, B and Nagaz, K. 2021. Role of Calcium, Magnesium and phosphorus to reduce fluoride toxicity on Pomegranate (*Punica granatum*) leaves. **Revue des Régions Arides** n°46. ISSN: 0330-7956.
7. **Kechnebbou, M.**, Lobo, J.M., Chammem, M. 2020. The correspondence between environmental similarity and geographical sympatry in *Uromastyx* species. **Amphibia-Reptilia** 41: 245-251.
8. **Kechnebbou, M.**, Martín, J., Chammem, M., Arregui, L., Nouira, S. 2019. Roads and urban areas as physiological stressors of spiny-tailed lizards, *Uromastyx acanthinura*. **Journal of Arid Environments** 170: 103997.
9. **Kechnebbou, M.**, Chammem, M., Belliure, J., Abdelli, F., Nouira, S. 2019. Body size, food habits, and burrow distribution and orientation in the North African Spiny-tailed lizard *Uromastyx acanthinura* in Tunisia. **Herpetological Review** 50: 484-489.
10. Seri, H., Chammem, M., Ferreira, L.M., **Kechnebbou, M.**, Khorchani, T and Silva, S.R. 2018. Effects of seasonal variation, group size and sex on the activity budget and diet composition of the addax antelope. **African Journal of Range & Forage Science**, DOI: 10.2989/10220119.2018.1477831.
11. **Kechnebbou, M.**, Chammem. 2017. Ecologie d'une population de Fouette queue d'Afrique du Nord 'Uromastyx acanthinurus' à Béni Khédache, Tunisie: Habitat, dimorphisme sexuel et régime alimentaire. **Revue des Régions Arides** n°40 (3/2017). ISSN: 0330-7956.

C.2. Congress

- 2022. **Kechnebbou, M.**, Chammem, M., Microhistological identification of lizards diet. 26th ATSB International Forum. Mounastir, Tunisia.
- 2020. **Kechnebbou, M.**, Chammem, M., Ecology of *Uromastyx acanthinura* lizards. 3^o International Congress SIEFAD. Djerba, Tunisia.
- 2016. **Kechnebbou, M.**, Lobo, J.M., Chammem, M., Modeling the spatial distribution of *Uromastyx acanthinura*. XIV Congreso Luso-Espanol de Herpetologia. Lleida University, Spain.

C.3. Research projects

I applied for two research projects as principal investigator (PI):

-Application for the Mohamed bin Zayed Species Conservation Fund (MBZ Project 232532205): Characterizing the genomic diversity and structure of the North African spiny-tailed lizard (*Uromastyx acanthinura*): a predictive tool for conservation purposes. 29 June 2023.

-Application for 17ème édition FWIS Maghreb 2023 (Oreal fondation for women in science, Project 43359): Impacts of climate change on aquatic hyphomycetes. 24 July 2023.

C.4. Contracts, technological or transfer merits

National and international research stays

-2022. Learn new techniques for proteins analysis. Tutor: Lobna Elhajji, Plant Protection laboratory, Regional Centre of Agricultural Research of Sidi Bouzid, Tunisia (research internship / 3months).

-2018. Study of the ecology of desert lizards species. Tutor: Josabel belliere, Department of Life Science- Alcala de Henares University, Madrid-Spain (research internship/ one year).

-2017. Laboratory analysis of lizards hormones. Tutor: Jose Martin, National Museum of Natural Sciences of Madrid, Spain (research internship / 3months).

-2016. Study of the animal behavior. Tutor: Josabel belliere, Department of Life Science-Alcala de Henares University, Madrid-Spain (research internship/ 3months).

-2015. Learn new techniques for spatial modeling of species. Tutor: Jorge Lobo, National Museum of Natural Sciences of Madrid, Spain (research internship / 3months).