



CURRICULUM VITAE

31st August 2021

Mohammed Znari

Cadi Ayyad University:

1. *Faculty of Science, Semlalia
Laboratory Water, Biodiversity &
Climate Change*
2. *The Natural History Museum
of Marrakech, PO Box: 2390
40 000, Marrakech
Morocco*

Birth date/place: 04 Jan. 1959 / Safi, Morocco

Marital status: married, two children

Home off phone: (+212) 524 33 00 20

GSM: (+212) 697 78 39/670098874

Office phone: (+212) 524 43 46 49 (ext.:125)

Facsimile: (+212) 524 43 67 69 / 43 74 08

E-mail: znarim@gmail.com / znari@uca.ac.ma

Short biography

Mohammed Znari is a holder of PhDs in Ecology (Pierre & Marie Curie University, Paris, France, 1988) and [Cadi Ayyad University (CAU), Marrakech, Morocco, 1999]. He is currently full Professor of Ecology and Conservation Biology at the Faculty of Science–Semlalia, Marrakech, CAU. He has over a 30-year experience in animal ecology research and more recently in conservation biology (15+ years), but also in morphometrics, molecular phylogeography and ecological modeling. His research interests concern with feeding ecology, ecophysiology, and developmental and breeding biology along with different aspects of conservation ecology in various vertebrate taxa including fish, turtles, birds, and mammals. He has been involved in several international research-conservation grants and projects (Spain, Portugal, France, England, Germany, US, and Japan), and got different international fellowships (Fulbright, DAAD, and Averroes). He is also the current curator of Vertebrate Zoology at the Natural History Museum of Marrakech, CAU. He was a member of the International Committee of the World Congress of Herpetology and is currently vice-president of the Moroccan Society of Herpetology, and vice-president of the French-Moroccan Association ZAAOT: for the monkey and humans in the High Atlas mountains. He has supervised several Master's and PhD theses, and has produced dozens of papers in peer-reviewed journals and he has made numerous contributions to international scientific meetings.

EDUCATION

- **1999:** Doctorate d'Etat ès-Sciences (Animal Ecology, Herpetology), Cadi Ayyad University, Faculty of Sciences Semlalia, Marrakech, Morocco.
- **1988:** PhD (French Doctorate ès-Natural Sciences (Natural Sciences, Speciality: Animal Physiological Ecology), Pierre & Marie Curie University, Paris, France.
- **1983:** D.E.A (Degree of Deepened Studies) in General Ecology, Pierre & Marie Curie University, Paris, France.
- **1982:** Licence in Natural Sciences (Biology & Geology), Cadi Ayyad University, Faculty of Sciences Semlalia, Marrakech, Morocco.
- **1978:** The Moroccan Baccalaureate in Experimental Sciences (series D), Ibn Khaldoun High School, Safi, Morocco.

CURRENT POSITION

Full Professor (Grade C, since 2013) of Ecology & Conservation Biology, Cadi Ayyad University, Faculty of Science, Semlalia [FSSM], Department of Biology, Marrakech, Morocco

Member of the Laboratory “Water, Biodiversity and Climate Change”, Department of Biology, FSSM.

THESES AND DISSERTATIONS

- **1999.** Moroccan Doctorate d'Etat dissertation “Geographic variation, Ecophysiology and life history traits *Agama impalearis* Boettger, 1874 (Reptilia: Sauria: Agamidae) in Morocco. (in French with English and Arabic summaries). 356p. (Cadi Ayyad University, Marrakech, Morocco)
- **1988.** Doctorate of Pierre & Marie Curie University (French PhD) “Comparative study of post-embryonic development in the Chukar, *Alectoris chukar*, and Grey Partridge, *Perdix perdix* (Aves: Phasianidae): energetic balance, thermoregulation, water metabolism and thyroid function (P.p. 249).(In French with an English summary).
- **1983.** D.E.A. (Degree of Deepened Studies) “Use of ²²Sodium an Tritiated water (HTO) to assess food consumption and water requirements in two species of desert rodents: The Spiny mouse, *Acomys airensis* (Muridae) and the Mongolian Jird, *Meriones unguiculatus* (Gerbilidae)”. P.p. 49. In French. Pierre and Marie Curie University, Paris, France.

TEACHING ACTIVITIES AND COORDINATION

Undergraduate and graduate lectures, supervised works, practicals (Labs)/field works:

- Systematics and Phylogeny: concepts, principles, methods, cladistics
- Vertebrate diversity and phylogenetic classification
- General Ecology for undergraduate students in biology
- Ecology of Morocco’s Vertebrates (Fish, Reptiles, Birds and Mammals).
- Physiological Ecology of desert Animals (Lectures and Labs)
- Population Dynamics and Management
- Community and Ecosystem Ecology
- Behavioural Ecology
- Conservation Biology (for Master Students)
- Insular biogeography
- Restoration Ecology and Ecological Engineering (for Master Students)
- Landscape Ecology
- Introduction to Ecological Modeling (for Master Students)
- Field Terrestrial Ecology (Ecological studies on animal communities in arid, high altitude, littoral sand dune and forest ecosystems).
- Biodiversity: methods of assessment and measurement
- Scientific English for environmental sciences (for Master students).

REASERCH ACTIVITIES

- Founder-member of the Laboratory “Water, Biodiversity and Climate Change”, Department of Biology, FSSM (2019-)
- Head of the research team in Ecology and Conservation Biology (2019-)
- Director and co-founder of the Laboratory “Biodiversity & Ecosystem Dynamics” (Feb. 2007- Jan. 2011)
- Member of the Moroccan Network of Science Diffusion (Since June 2009).

- Coordinator and Member of the organizing and scientific committees of the First and Second Mediterranean Congresses of Herpetology (CMH1 & CMH2) held in Marrakech, Morocco, 16 to 20 April 2007 and 22-27 May 2011, respectively.
- Member of the organizing committee of the First International Congress of North African Vertebrate Palaeontology, Marrakech, Morocco, 25-27 May 2008)
- Director of the Laboratory “Biodiversity & Ecosystem Dynamics” (Since Feb. 2007)
- Head of the research team “Vertebrate Biodiversity & Ecology” (Since Jan. 2004)
- Curator of Vertebrate Zoology at the Natural History Museum of Marrakech (Since Nov. 2001)
- Referee for several papers in peer review scientific journals.
- Leader and member of several collaborative research projects.

MAIN SUPERVISED DISSERTATIONS & THESES

The last supervised Moroccan Doctorate thesis (PhD)

Soumia Loulida 2021 -Variations in demographic structure, morphometry and ecological niche in the Sahara Desert blue-eyed turtle (*Mauremys leprosa saharica*) (Testudines: Geoemydidae) in southeast to southwest Morocco

Abdelaziz Mounir 2021 – Phenotypic stock discrimination, growth patterns, feeding ecology and population structure in the European sardine *Sardina pilchardus* (Telostei: Clupeidae) off the Moroccan Atlantic coasts.

Safaa Bendami 2020– Variation inter- et intra-populations de la coloration et de la sélection sexuelle chez le fouette-queue du Maroc, *Uromastix nigriventris* Rothschild & Hartert, 1912 (Sauria: Agamidae: Uromastycinae) le long d’un gradient saharo-méditerranéen.

Nawal Hichami 2017- Nutritional Ecology and Osmotic Adaptation in the Souss Valley Tortoise (*Testudo graeca soussensis*) in an arid area of west central Morocco: implications for population and habitat conservation and restoration.

Salwa Namous. 2017- Conservation Ecology of the Barbary Macaque (*Macaca sylvanus*) in the High Ourika Valley, Western High Atlas mountains, Morocco.

Moulay Abdeljalil Ait Baamrane. 2015. Declin démographique, vulnérabilité à l’extinction et stratégie de conservation et de gestion de la dernière population de la gazelle dorcas du Maroc, *gazella dorcas massaesyala* Cabrera, 1928 (Mammalia : Bovidae : Antilopini) dans la réserve M’Sabih Talaa, Centre Ouest du Maroc. Dissertation Attended in March 2015 at cadi Ayyad University, Marrakech, Morocco.

Naimi Mohamed. 2015. Variation morphométrique, différenciation de la niche climatique et plasticité écologique chez l’émyde lépreuse, *Mauremys leprosa* (Schweigger, 1812) (Testudines: Geoemydidae). Dissertation Attended in March 2015 at cadi Ayyad University, Marrakech, Morocco.

Mohamed Aourir. 2009. Study of bio Black-bellied Sandgrouse logical and ecological of the conservation and sustainable management of the Black-bellied Sandgrouse, *Pterocles orientalis* (Aves : Pteroclididae), in the Haouz plain, West central Morocco - Dissertation Attended in June 2009 at cadi Ayyad University, Marrakech, Morocco.

El Hassan El Mouden. 2005. Contribution to the Ecology and Life History of Bibron’s Agama, *Agama impalera* (Reptilia: Sauria: Agamidae) in the Central Jbilet Mountains, West central Morocco. Dissertation Attended in June 2009 at cadi Ayyad University, Marrakech, Morocco.

Current supervised PhD and Habilitation theses:

Chaimae Guerwane – Vulnerability of biodiversity and ecosystem services to climate change in arid areas of southern Morocco: a modeling approach

Abdelghani Aabid – Impacts of water salinisation on ecological processes in the intermittent and ephemeral streams in the arid River Draa basin, Southeast Morocco

Abdelghani Guechchani – Ecology and conservation of the freshwater fish endemic to the Draa river basin, Morocco

Hakim Bachiri – Demography, feeding ecology and parasitic load in the Barbary Sheep (*Ammotragus lervia*) in Amassine reserve, Western High Atlas mountains, Morocco

Hayat Lamghazli - Phenotypic stock discrimination, growth patterns, feeding ecology and population structure in the common Horse mackerel *Trachurus trachurus* (Telostei: Carangidae) off the Moroccan Atlantic coasts.

Samira Raziq – Non-Invasive Bio-monitoring and Conservation Ecology of the Northern Bald Ibis (*Geronticus eremita*) (Aves: Pelecaniformes: Terskiornithidae) in Southwest Morocco.

Habilitation thesis

Mohamed Naimi. Niche écologique de l'émyde lépreuse *Mauremys leprosa* Schweigger 1812 (Testudines : Geoemydidae) : Approches de modélisation et d'écophysiologie

Dozens of supervised Master (Feb. 2004 - September 2021) & **numerous undergraduate training dissertations**

MAJOR AWARDS, GRANTS, TRAINING PERIODS and WORKSHOPS

- 2020-2022.** International Cooperation project, CSIC Spain (Icoop salinity and Freshwater fish in the Draa Basin, Morocco. Code (I-COOPA20449)
- 2019- 2024.** Collaborative project SALIDRAA II “Salt in the system - Biodiversity and ecosystem services in the water management of the arid Draa river basin, Morocco”. Project outline for the promotion of an interdisciplinary and transdisciplinary junior research group within the framework of the BMBF funding priority "Social-ecological research" - *Institute for Environmental Sciences, Universität Koblenz Landau*, Landau, Germany and Cadi Ayyad University, Marrakech, Morocco.
- 2017.** DAAD (The German Academic Exchange Service) Post-doctoral research grant, Museum of Zoology, Senckenberg, Dresden, Germany (August-September 2017) Project research: Population genetics of the Pond turtle, *Emys orbicularis occidentalis* in Northwest Africa and Iberian Peninsula, using microsatellite DNA markers.
- 2017.** Moroccan (CNRST)-Portuguese (FCT) joint research project on “Spatial ecology and population viability analysis of relict population of European pond turtle, *Emys orbicularis* (Reptilia: Testudines: Emydidae), in Northern Morocco: implications for conservation and sustainable management”
- 2016.** Funded project “PMARS 2015-067: Moroccan-German Program for Scientific Research”; Titled “Water salinization and its ecological and socioeconomic impacts in the arid Moroccan Draa basin: implications for the sustainable management of freshwater resources” (2017-2019) – In collaboration with the *Institute for Environmental Sciences, Universität Koblenz Landau*, Landau, Germany
- 2014.** Maghreb DAAD Alumni Association, DAAD (The German Academic Exchange Service) Workshop “*L’écologie au Maghreb: protéger les habitats, construire l’avenir*», Rabat, Morocco, 24-26 November, 2014.
- 2014.** Pre-conference (8th European Conference on Ecological Modeling, 8-ECM, 2014, 27-30 November, Marrakech, Morocco) course on Ecological Modeling - 24 to 26 October 2014, Marrakech, offered by Dr. S.E. Jørgensen, Copenhagen University, Denmark
- 2013.** African Bird Club (ABC) Conservation Award. Project titled “Non-Invasive Bio-monitoring and Conservation of the Endangered Northern Bald ibis, *Geronticus eremita* (Aves: Pelecaniformes:

- Threskiornithidae) in Southwest Morocco: *an ecological research and conservation education programme*".
- 2013.** DAAD (The German Academic Exchange Service) Post-doctoral research grant, Museum of Zoology, Senkenberg, Dresden, Germany (August-October 2013) Project: Phylogeographic Analysis, Environmental Niche Modeling And Population Genetic Diversity Of The Stripe-Necked Terrapin, *Mauremys leprosa* (Schweigger, 1812) (Reptilia:Testudines: Geoemydidae)
- 2012:** Workshop « Plan national d'actions Ganga cata et Alouette calandre », 24-25 April 2012, Saint-Martin-de-Crau, France.
- 2012-2015:** Grant PTES (People's Trust for Endangered Species, UK) December 2012 to November 2015) - Conservation of the Endangered Barbary Macaque, *Macaca sylvanus*, through a community-based ecotourism (CBE) project in the High Ourika Valley (HOV), Central Morocco
- 2010-2012:** British Ecological Society Grant: Overseas Bursary Program "Project: Nutritional Ecology of the Souss Valley Tortoise (*Testudo graeca soussensis*) in Arid Rangelands of West central Morocco: implications for conservation and management.
- 2011.** Fellowship Averroes Program for University Staff Exchange, Perpignan, France, October 2011.
- 2010.** DAAD (The German Academic Exchange Service) Post-doctoral research grant, Museum of Zoology, Senkenberg, Dresden, Germany (October-November 2010) Project: Phylogeography and Genetic Variation in the Stripe-necked Terrapin, *Mauremys leprosa* (Testudines: Geoemydidae).
- 2009:** Grant from the Toubkal National Park, Water and Forest Service, Marrakech "An assessment study Viability Analysis of the Barbary Ape population of High Ourika, Occidental High Atlas Mountains, Morocco. (July-August 2009)
- 2008:** Study Visit on "*Biodiversity and Evolution*" at the Museum für Naturekunde, University of Berlin, Germany, 1-12 March 2008. Accompanied with 12 Master Students. Grant from DAAD.
- 2008:** Grant PTES (People's Trust for Endangered Species, UK) December 2008 to November 2011) - "Conservation and Management of the remnant isolated population of Dorcas Gazelle north of the Atlas Mountains, Morocco"
- 2008:** Fulbright Fellow (Visiting Scholar, Biological Science Centre, USGS, Flagstaff, Arizona. (Three months: from 9 June to 9 September 2008) including a two-month field research on Sonoran Mud Turtle in Montezuma Well, Arizona with Dr. Jeff. Lovich).
- 2006-2007:** British Ecological Society Grant: financial support for studying Geographic variation in *Chalcides mionecton* in Morocco. (In collaboration with Dr. R.P. Brown, Liverpool John Moore's University, UK).
- 2006 :** Moroccan-Spanish Integrated Action N° C/3868/05– 2006-2008 « Sélection des zones importantes pour les oiseaux des steppes au Maroc au moyen des techniques de télédétection. Identification des caractéristiques spatiales et temporelles et identification des stratégies de conservation» in collaboration with Laboratoire d'Ecologie de l'Université Autonome de Madrid.
- 2006:** Moroccan-Spanish Integrated Action N° C/3868/05 - 2006-2008. « Etude et conservation du Sirli du Dupont au Maroc» in collaboration with Laboratoire d'Ecologie de l'Université Autonome de Madrid.
- 2003 :** Moroccan-Spanish Integrated Action N° C/3868/05.: "*Etude des bases biologiques et écologiques de la conservation et de la gestion durable des gangas (Aves: Pteroclididae) en plaine du Haouz, Maroc occidental*". In collaboration with Station de recherches Avicoles de l'INRA-Tours. France.
- 2003-** Member of the Grant "*Inventorying and Monitoring Wildlife traded in Southern Morocco*". National Geographic Conservation Trust.- May 2003 -December 2004.
- 2003:** Research Grant « Japanese Society for Science Promotion, Japanese Ministry of Education, Science, Culture and Sport" [April 2003 - May 2007]: "*Pleontological and developmental biological studies on trunk elongation and limb reduction in lizard evolution*" in collaboration with National Science Museum, Tokyo.
- 2002 :** Convention CNRST- Maroc / GRICES ex ICCTI - 2002 - 2003. titled: "*Etude de la variation morphologique et génétique chez la tortue mauresque (Testudo graeca graeca) au Maroc et dans la péninsule Ibérique*".
- 1999 –** Cadi Ayyad Prize for the Best Doctorate Dissertation (Doctorat d'Etat) in Biology, Academic year 1998-1999.(Dissertation in Herpetology)

- 1996:** British Ecological Society: financial support for studying Geographic variation in *Agama impalearis* in Morocco. (Together with Dr. R.P. Brown, Liverpool John Moore's University, UK).
- 1994:** Fullbright Fellow (Visiting Scholar, University of California at Los Angeles, Traineeship in Laboratory of Biomedical and Environmental Sciences, including a one-week field research on Desert tortoises in Mohave Desert, with Pr. Ken Nagy; UCLA).
- 1984-1985:** French Academy of Sciences Fellow.
- 1985:** College de France (Paris) Traineeship (Energetic and adaptation to the environment).
- 1985:** INA Paris- Grignon Traineeship (Radiotraking Grey Partridges)
- 1983-1988:** Graduate fellow, Moroccan Ministry of Higher Education.(Doctoral studies, Pierre and Marie Curie University, Paris, France).
- 1983:** Systematics and Karyology of African Rodents (Traineeship at National Museum of Natural History, Paris, France.)
- 1982:** Ecole Normale Supérieure (Paris, France) Traineeship in Forest Ecology and Pedology (Biological Station at Fontainebleau, France).
- 1982:** Ecole Pratique des Hautes Etudes (3th Section, Paris) Traineeship (Geomorphology, Biology, Ecology and Economics of Coral Reefs).
- 1980-1982:** Graduate fellow, Moroccan Ministry of Higher Education.
- 1978-1980:** Undergraduate fellow, Moroccan Ministry of Higher Education

MAJOR UNIVERSITY COMMITTEES AND SERVICES

- Coordinator of the Double-Degree Master program “*Biodiversity, Climate Change & Sustainable Development*” (2019-) in collaboration with Koblenz-Landau University, Germany.
- Coordinator of the Master “Ecological Engineering and Methodologies of Biodiversity Analysis and Management” (2010-2016)
- Coordinator of the Master “Environment and Biodiversity Dynamics” (2006-2008)
- UFR (Research and Education Unit) Biodiversity and Evolutionary Biology, and the Degree of High Deepened Studies (DESA) (2004-2007)
- Curator of Vertebrates at the Natural History Museum of Marrakech, Cadi Ayyad University (Nov. 2001-Present)
- Member of the Scientific Council of the Natural History Museum of Marrakech, Cadi Ayyad University (Nov. 2001-Present)
- Head of the research team “Vertebrate Biodiversity & Ecology” (Since January 2004)
- Member of the Council of the Faculty of Sciences- Semlalia (Jan. 2002 to April 2004)
- Member of the Scientific Committee, Department of Biology, Faculty of Sciences, Semlalia, Marrakech
- Active member of the Committee of Scientific and Cultural Animation. (Participation to the Scientific Weeks: "1895-1995: Un siècle de sciences", March 1996 and "Quelle science pour demain?", March 1997). Participation to the organization of different scientific and cultural events.
- Member of the University Committee taking charge to realize the trilingual glossary of the Environment (English-French-Arabic)
- Member of pedagogic council of the department of Biology (Faculty of Sciences Semlalia, University Cadi Ayyad, Marrakech, Morocco)

MEMBERSHIPS OF PROFESSIONAL ORGANIZATIONS

& COMMUNITY SERVICE

- Vice-president and co-founder of the French-Moroccan Association ZAATOT (for the Monkey and humans in the High Atlas mountains) (2020 -)

- Contribution to Community-based Ecotourism and Wildlife Conservation projects in the area of Marrakech (High Atlas mountains and the Haouz plain) (2008-Present)
- Creation and promotion of the the *Club EDEN for Ecology, Environmental Education for Sustainable Development*, at the University in collaboration with Master students (2010-Present)
- Founder member of the National Autonomous Syndicate of Higher Education (*SNASup*) (March 2009-Present)
- Vice President of the Moroccan Society of Herpetology [SMH] (October 2007-Present)
- Adviser Member of the “Association of the Friends of The Natural History Museum of Marrakech) (Dec. 2006-Present)
- Member of the International World Herpetological Congress Committee (2003-2008)
- Member of Group of Research and Study for preservation of Moroccan Birds (GREPOM) (2002-Present)
- Member of the Moroccan Association of Biodiversity, AMAB (Dec. 1998-Present)
- Ex-Member of Herpetologist's Ligue (USA) (1994-1997).
- Member of Moroccan Association of Comparative Endocrinology (1992-2002)
- Moroccan Association of Teacher-Research workers Laureates of French Universities ((1994-Present)

PROFESSIONAL APPOINTMENTS

2007-2011. Director of the Laboratory “Biodiversity and Ecosystem Dynamics” BioDEcos

2000 (September-October) Acting Guest Associate Professor (Laboratory of Reptiles & Amphibians, National Museum of Natural History, Paris, France).

1987-1988. Acting Research Assistant (Laboratory of Mammals & Birds, National Museum of Natural History, Paris, France).

1987. Acting Associate Professor, (Laboratory of General & Comparative Physiology, National Museum of Natural History, Paris, France. (November-December 1987)

Scientific production

Dozens of peer-review papers and communications at international scientific meetings

FISH

1. El Mghazli H., **M. Znari**, A. Mounir. 2021. Stock discrimination in the horse mackerel *Trachurus trachurus* (Teleostei: Carangidae) off the Moroccan Atlantic coastal waters using a morphometric-meristic analysis. *Thalassas* (accepted)
2. Mounir A., **M. Znari**, H. Elmghazli, H. Alahyane, N. Chouikh, N. Hichami. 2021. Stock status and Sustainable Management Measures for Moroccan Sardines. *Sustainable Marine Structures* | Volume 03 | Issue 02. DOI: <http://dx.doi.org/10.36956/sms.v3i2.433>
3. El Mghazli H., **M. Znari**, A. Mounir, H. Benaissa, and H. El Ouizgani. 2021. Does the Atlantic horse mackerel *Trachurus trachurus* (Teleostei: Carangidae) differentiate morphologically within the putative Moroccan-Saharan stock? *Marine Biology Research*, DOI: [10.1080/17451000.2021.1957935](https://doi.org/10.1080/17451000.2021.1957935)
4. **Znari M.** and A. Mounir. 2021. Seasonal changes in maturational status, body condition, and population structure in the Moroccan Atlantic Sardine *Sardina pilchardus* (Teleostei: Clupeidae) from Safi fishing area. *Regional Studies in Marine Science* Volume 41, January 2021, 101571, <https://doi.org/10.1016/j.rsma.2020.101571>
5. ELMghazli H., Mounir A., **Znari M.**, Naimi M., El Ouizgani H., Aourir A. 2020. A comparison of spring body condition, maturational status, and diet in the European sardine, *Sardina pilchardus* (Teleostei: Clupeidae) from contrasting environments off the Moroccan Atlantic coast. *Marine Biology Research Journal* Volume 16, Issue 6-7
6. Mounir A., **M. Znari**, Hichami N., and S. Bendami. 2020. Growth and Status Stock, of The Sardine *Sardina Pilchardus* (Walbaum, 1792) Among the Moroccan Atlantic Center-Case of Agadir Bay. *Oceanography & Fisheries open access journal*. OFOAJ.MS.ID.5557832 (2020)

7. Mounir A., Ewague A., **Znari M.**, ELmghazli H. 2019. Discrimination of the phenotypic sardine (*Sardina pilchardus*) stocks off the Moroccan Atlantic coasts using a morphometric analysis. *African Journal of Marine* 41(2):137-144.

REPTILES

1. Znari M. and Bendami. 2021. Tolerance and osmotic response to food deprivation and salt loading in the herbivorous non-drinking Moroccan Spiny-tailed lizard *Uromastyx nigriventris*. *Amphibia Reptilia* (*in press*).
2. Znari M. and Bendami. 2021. Estimating food and water intakes by the herbivorous Moroccan Spiny-tailed lizard using the calibrated fecal output method and microhistological analysis. *SALAMANDRA* 57(2): 240–250
3. Naimi M., M. Znari, S. Loulida, M. A. Ait Baamrane, and J. E. Lovich (2021), Sexual cycle of the Mediterranean Pond Turtle, *Mauremys leprosa* (Testudines: Geoemydidae) in west central Morocco, *Russian Journal of Herpetology*, Accepted for publication on 21st June 2021.
4. Hichami N. and M. Znari. 2021. A management plan for a declining population of the Souss valley tortoise in an arid steppe-land of west-central Morocco. *Basic and Applied Herpetology*, DOI: <http://dx.doi.org/10.11160/bah.183>
5. Loulida S., M. Znari, M. Naimi & S. Bendami (2021), Population structure and body size of the Sahara blue-eyed pond turtle *Mauremys leprosa saharica*, from an isolated pond in the Lower Draa Basin, southern Morocco. *Environmental Science and Pollution Research*, *Amphibia-Reptilia*, DOI:10.1007/s11356-020-12331-5
6. Loulida S., P. Segurado, M. Naimi, M. Znari (2021). Niche differentiation among genetic lineages in the Mediterranean Pond turtle, *Mauremys leprosa*, across its geographical range. DOI: 10.1163/15685381-bja10049
7. Loulida S., Znari. M., Naimi M., Bendami S., J. Maran. 2019. Tolerance to salinity and dehydration in the Sahara Desert Blue-eyed Turtle, *Mauremys leprosa saharica* (Testudines: Geoemydidae) from a brackish pond in the Lower Draa basin, Southern Morocco. *African Journal of Herpetology* <https://doi.org/10.1080/21564574.2019.1645746>
8. Znari Mohammed and Hichami Nawal. (2018) Biology, Life History Traits and Conservation of the Vulnerable Souss Valley Tortoise in Arid Areas of West Central Morocco. In: David Ramiro Aguillón Gutiérrez (Eds.), *Reptiles and Amphibians*: Pp: 117-137. ISBN: 978-1-78923-401-5 (<https://www.intechopen.com/books/reptiles-and-amphibians>)
9. Bendami S., Znari M. and Loulida S. 2018. Inter-population and seasonal changes in food habits of the Moroccan Spiny-tailed lizard along an aridity gradient. *Amphibia-Reptilia*, 39(3): 303-315.
10. Veríssimo J., Znari M., Stuckas H., Fritz U., Pereira P., Teixeira J., Arculeo M., Marrone F., Sacco F., Naimi M., Kehlmaier C. and Velo-Antón G.. 2016. Pleistocene diversification in Morocco and recent demographic expansion across the Iberian Peninsula and northeastern Maghreb in the Mediterranean pond turtle *Mauremys leprosa*. *Biological Journal of the Linnean Society*, Vol.119 (3): 943-953
11. Hichami N., Znari M., Naimi M. and Namous S. 2016. Clutch, egg and hatchling characteristics in the Souss Valley tortoises, *Testudo graeca soussensis* Pieh, 2001 (Testudines: Testudinidae) from an arid steppe-land of west-central Morocco. *African Journal of Herpetology*, 65, 1: 21–32.
12. Lovich J.E., Madrak S., Drost C.A., Monatesti A.J., Casper D. and Znari M. 2012. Optimal egg size in a suboptimal environment: reproductive ecology of female Sonora mud turtles (*Kinosternon sonoriense*) in central Arizona, USA. *Amphibia-Reptilia* 33: 161- 170 (14).
13. Anadón J.D, Giménez A., Graciá E., Pérez I., Ferrández M., Fahd S., El Mouden H., Kalboussi M., Jdeidi T., Larbes S., Rouag R., Slimani T., Znari M. and Fritz U. 2012. Distribution of *Testudo graeca* in the western Mediterranean according to climatic factors. *Amphibia-Reptilia* 33: 285-296.
14. Naimi M., Znari M., Lovich J.E., Feddadi Y. and Ait Baamrane M.A. 2012. Clutch and egg allometry of the turtle *Mauremys leprosa* (Chelonia: Geoemydidae) from a polluted peri-urban river in west-central Morocco. *HERPETOLOGICAL JOURNAL* 22: 43– 49

15. Brown R.P., Tejangkura T., El Mouden E., Ait Baamrane M.A. and Znari M. 2012. Species delimitation and digit number in a North African skink. *Ecology & Evolution* (12):2962-73.
16. Znari M., Germano D.J. and Macé J.-C. 2005. Growth and population structure of the Moorish Tortoise (*Testudo graeca graeca*) in West central Morocco: possible effects of over-collecting for the tourist trade. *Journal of Arid Environments*, Vol. 62 (1): 55-74
17. Bertolero, A.; Znari, M. Carretero, M. A. & Harris, D. J. 2005. *Testudo graeca* (Spur-thighed Tortoise). Size. *Herpetological Review*, 36(3): 315.
18. Carretero, M. A.; Znari, M.; Harris, D. J. & Macé, J. C. 2005. Morphological divergence among populations of *Testudo graeca* from West central Morocco. *Animal Biology*, 55(3): 259-279.
19. HARRIS D.J., M. ZNARI, M.A. CARRETERO and J.C. MACE. 2003. Genetic variation in *Testudo graeca* from Morocco estimated using 12S rRNA DNA sequencing. *Resvista Espanola de Herpetologia*, 17: 5-9.
20. HARRIS D.J., M. ZNARI, M.A. CARRETERO and J.C. MACE. 2003. Genetic variation in *Testudo graeca* from Morocco estimated using 12S rRNA DNA sequencing. *Resvista Espanola de Herpetologia*, 17: 5-9.
21. ZNARI M. 2003. 'Biodiversité': origine et signification d'un terme. *Naturalia Maroccana* (Revue du Muséum d'Histoire Naturelle de marrakech), 1(1): 15-24
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Dozens (100+) of communications (oral and posters) in various national and international scientific meetings and congresses

Last international meetings:

- International Congress of Conservation Biology- ICCB 2019, Kuala Lumpur, Malaysia, August 2019
- International Conference on Marine Science and Aquaculture(ICMSA), Meknes, Morocco, June, 2021.