

## CURRICULUM VITAE

## A.1. Personal Data:

Name : **Arbi Ben Madi Ben Ali GUETAT**  
 Nationality : **Tunisian**  
 Date/Place of Birth : **11/9/1978**  
 Marital Status : **Married**  
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Northern Border University.**  
 Phone & Mobile : **(00966)532749350**



## A.2. Education:

Degree	University	Address	Date
Doctorate diploma	Tunis El Manar University	Republic of Tunisia	2010
Master Diploma	Tunis El Manar University	Republic of Tunisia	2004
Bachelor Diploma	Tunis El Manar University	Republic of Tunisia	2002

## A. 3. Training Courses:

Title	Name & Addresses of Awarding Organization	Date
Online course: Bio-Research Ethics with a validity period of 3 years (2020-2023)	King Abdulaziz City for Science and Technology, Saudi Arabia	2021
Tasks of the academic advisor	Deanship of University Education Development - Northern Border University, Saudi Arabia	2019
An active participation in the National Talent and Creativity Week 2019 under the slogan "Share our care" (Basics on animal anatomy and models from the Animal Kingdom)	Ministry of Education - General Administration of Education in the Northern Border Region- Saudi Arabia	2019
An active participation in the first environmental week under the slogan "we protect our environment for the well-being of our society" (Biodiversity in Saudi Arabia, the Northern Border Region, as an example)	Ministry of Environment, Water and Agriculture- - Saudi Arabia	2018
Online course: Bio-Research Ethics with a validity period of 3 years (2016-2019)	King Abdulaziz City for Science and Technology, Saudi Arabia	2016
Effective Teaching Strategies	Deanship of the Development of University Education - Northern Border University, Saudi Arabia	2014
How to use the E-learning system (Blackboard)	Deanship of E-Learning & Distance Learning, Northern Border University, Saudi Arabia	2013
The international academic accreditation and their recognition in Saudi Arabia	Deanship of Quality and accreditation, Northern Border University, Kingdom of Saudi Arabia	2013



Quality and Accreditation days	Northern Border University, Kingdom of Saudi Arabaia	2012
Applied statistics to Biology and Medicine	Sfax University – Marine toxicology laboratory.	2007
Practical training course in Molecular Biology: Purification and Analysis on nucleic acids: Maxwell 16 robot.	Biogene Society and Faculty of Medecine Sousue, Republic of Tunisia	2007
Protection and exploitation of genetic modified plants.	Ministry of Higher Education and scientific research and Technology	2007

#### A. 4. Professional Experience:

Employment Status	Institution and Address	Date
Associate Professor	College of Sciences- Northern Border University, Kingdom of Saudi Arabia	May 203- Now
Assistant Professor	College of Sciences- Northern Border University, Kingdom of Saudi Arabia	2011- April 2023
Assistant Professor	College of Sciences- University of Gabes for the South, Republic of Tunisia	2010-2011
lecturer	College of Sciences- University of Gabes for the South, Republic of Tunisia	2008-2010
Researcher Student	Arid Lands Institute of Medenine, Republic of Tunisia	2005-2007

## A.5. Foreign Language Skills:

	Foreign Language	Level		
		Fair	Good	V. Good
1	English			√
2	French			√
3	Spanish	√		

## FORM B: SCIENTIFIC CONTRIBUTIONS

## B.1. Papers Published in Refereed Scientific Journals

No	Author(s)	Research Title	Publisher & Date
1	Dali, I., Abdelwahab, A. T., Aydi, A., Fares, N., Eladeb, A., Hamzaoui, M., ... & Guetat, A. (2023)..	Valorization of Lyophilized Olive Mill Wastewater: Chemical and Biochemical Approaches	Sustainability, 15(4), 3360.
	Guetat, A., A.T Abdelwahab, Y. Yahia, W Rhimi, A K. Alzahrani, , A Boulila, C Cafarchia, ., & Boussaid, M. (2022).	<i>Deverra triradiata</i> Hochst. ex Boiss. from the Northern Region of Saudi Arabia: Essential oil profiling, plant extracts and Biological activities	Plants 2022, 11(10), 1344; MDPI
2	Guetat, A. (2022)	The Genus <i>Deverra</i> DC. (Syn. <i>Pituranthos</i> Viv.): A natural valuable source of bioactive phytochemicals: A review of traditional uses, phytochemistry and pharmacological properties.	Journal of Ethnopharmacology, 284, 114447.
3	Guetat, A., S Alshrari, A., Chebbi, T., T Abdelwahab, A., A Abdelfattah, M., S Alenazi, A., & Al-Ghamdi, F. (2021).	2019-nCoV2: An Overview of Awareness about Emerging and Re-emerging Infectious Diseases and Sustainable Development: A Retrospective and Cross-sectional Study	
4	Oueslati, M. H., Guetat, A., Bouajila, J., A. Khuzaim Alzahrani, Basha. J. (2021).	<i>Deverra tortuosa</i> (Desf.) DC from Saudi Arabia as a new source of marmin and furanocoumarins derivatives with $\alpha$ -glucosidase, antibacterial and cytotoxic activities.	Heliyon Volume 7, Issue 4, April 2021, e06656
5	Oueslati, M. H., Bouajila, J., Guetat, A., Al-Gamdi, F., & Hichri, F. (2020).	Cytotoxic, $\alpha$ -glucosidase, and antioxidant activities of flavonoid glycosides isolated from flowers of <i>Lotus lanuginosus</i> Vent.(Fabaceae).	Pharmacognosy Magazine, 16(68), 22.



6	Guetat, A., Boulila, A., & Boussaid, M. (2018).	Phytochemical profile and biological activities of <i>Deverra tortuosa</i> (Desf.) DC.: A desert aromatic shrub widespread in Northern Region of Saudi Arabia.	Natural product research, 33(18), 2708-2713.
7	Guetat, A., Al-Ghamdi, F. A., & Osman, A. K. (2017).	The genus <i>Artemisia</i> L. in the northern region of Saudi Arabia: essential oil variability and antibacterial activities.	Natural product research, 31(5), 598-603.
8	Herchi, W., AMMAR, K. B., Bouali, I., Abdallah, I. B., Guetat, A., & Boukhchina, S. (2016).	Heating effects on physicochemical characteristics and antioxidant activity of flaxseed hull oil ( <i>Linum usitatissimum</i> L).	Food Science and Technology, 36(1), 97-102.
9	Jordi López-Pujol, Sara López-Vinyallonga, Alfonso Susanna, Kuddisi Ertuğrul, Tuna Uysal, Osman Tugay, Arbi Guetat & Núria Garcia-Jacas. (2016).	Speciation and genetic diversity in <i>Centaurea</i> subsect. <i>Phalolepis</i> in Anatolia.	Scientific reports, 6(1), 1-14.
10	Saadaoui, E., Guetat, A., Massoudi, C., Tlili, N., & Khaldi, A. (2015).	Wild Tunisian <i>Capparis spinosa</i> L.: Subspecies and Seed Fatty Acids.	Int. J. Curr. Res. Aca. Rev. 2015b, 3(1), 315-327.
11	Guetat A., Rosato M., Rossello, J. A., & Boussaid, M. (2015).	Karyotype analysis in <i>Allium roseum</i> L.(Alliaceae) using fluorescent in situ hybridization of rDNA sites and conventional stainings.	Turkish Journal of Botany, 39(5), 796-807.
12	Guetat, A., & Al-Ghamdia, F. A. (2014).	Analysis of the essential oil of the germander ( <i>Teucrium polium</i> L.) aerial parts from the northern region of Saudi Arabia	International Journal of Applied Biology and Pharmaceutical Technology, 5 (2): 128-135.
13	Guetat, A., Al-Ghamdi, F. A., & Osman, A. K. (2014).	1, 8-Cineole, $\alpha$ -pinene and verbenone chemotype of essential oil of species <i>Rosmarinus officinalis</i> L. from Saudi Arabia	Int. J. Herb. Med, 2, 137-141.
14	Ben El Hadj Ali, I., Guetat, A., & Boussaid, M. (2014).	Effect of habitat fragmentation on the genetic structure of the gynodioecious <i>Thymus algeriensis</i> Boiss. et Reut.(Lamiaceae) in Tunisia.	Plant Biosystems, 148(2), 217-226..
15	Faraj, A. G., Osman, A. K. E., & Guetat A. (2013).	Contributions to the pollen morphology of genus <i>Astragalus</i> L.(Fabaceae) and its taxonomic implications.	Asian Journal of Plant Sciences, 12(5), 176-189.
16	Ali, I. B. E. H.,	A combined approach using allozymes	Industrial Crops and



	Guetat, A., & Boussaid, M. (2013).	and volatiles for the characterization of Tunisian <i>Thymbra capitata</i> (L.) Cav.(Lamiaceae).	Products, 43, 477-483.
17	Elfalleh, W., Hannachi, H., Guetat, A., Tlili, N., Guasmi, F., Ferchichi, A., & Ying, M. (2012).	Storage protein and amino acid contents of Tunisian and Chinese pomegranate ( <i>Punica granatum</i> L.) cultivars.	Genetic resources and crop evolution, 59(6), 999-1014.
18	Yahia, Y., Guetat, A., Elfalleh, W., Ferchichi, A., Yahia, H., & Loumerem, M. (2012).	Analysis of agromorphological diversity of southern Tunisia faba bean ( <i>Vicia faba</i> L.) germplasm.	African Journal of Biotechnology, 11(56), 11913-11924.
19	Ben El Hadj Ali, I., Guetat, A., & Boussaid, M. (2012).	Genetic diversity of North African <i>Thymus algeriensis</i> in Tunisia: Population structure and implication for conservation.	Dendrobiology, 67: 67-77.
20	Ali, I. B. E. H., Guetat, A., & Boussaid, M. (2012).	Genetic diversity, population structure and relationships of Tunisian <i>Thymus algeriensis</i> Boiss. et Reut. and <i>Thymus capitatus</i> Hoffm. et Link. assessed by isozymes.	Industrial Crops and Products, 36(1), 149-163.
21	Ben El Hadj Ali, I., Guetat, A., & Boussaid, M. (2012).	Inter-specific relationships among two Tunisian <i>Thymus</i> taxa: <i>Thymus capitatus</i> Hoffm. et Link. and <i>Thymus algeriensis</i> Boiss. et Reut. using molecular markers.	African Journal of Biotechnology, 11(36): 8810-8819.
22	El Hadj Ali, I. B., Guetat, A., & Boussaid, M. (2012).	Variation of volatiles in Tunisian populations of <i>Thymbra capitata</i> (L.) Cav.(Lamiaceae).	Chemistry & biodiversity, 9(7), 1272-1285.
23	El Hadj Ali, I. B., Guetat, A., & Boussaid, M. (2012).	Genetic diversity of wild <i>Thymus capitatus</i> (Lamiaceae) in Tunisia using molecular markers.	Dendrobiology, 68: 89-100.
24	El Hadj Ali, I. B., Guetat, A., & Boussaid, M. (2012).	Chemical and genetic variability of <i>Thymus algeriensis</i> Boiss. et Reut. (Lamiaceae), a North African endemic species.	Industrial Crops and Products, 40: 277-284.
25	El Hadj Ali, I. B., Guetat, A., & Boussaid, M. (2012).	Genetic diversity and structure of wild Tunisian <i>Thymus capitatus</i> (L.) Hoffm. et Link.(Lamiaceae) assessed using isozyme markers.	African Journal of Ecology, 50(2), 140-151.
26	Saadaoui, E., Guetat, A., Tlili, N., El Gazzah, M., & Khaldi, A. (2011).	Subspecific variability of Tunisian wild populations of <i>Capparis spinosa</i> L.	Journal of Medicinal Plants Research, 5(17), 4339-4348.
27	Guetat A., Vilatersana R.,	Genetic diversity in Tunisian rosy garlic populations ( <i>Allium roseum</i> L.) as	Biochemical Systematics and Ecology. 38: 502-



	Neffati M., Boussaid M. 2010.	evidenced by chloroplastic DNA analysis: Sequence variation of non-coding region and intergenic spacers.	509
28	Guetat A., Zammouri J., Boussaid M., Neffati M. 2009	The Use of reproductive vigor descriptors to study genetic variability in natural population of <i>Allium roseum</i> L. (Alliaceae) in Tunisia.	Scientia Horticulturae: 120, 282–287.
29	Guetat A., Zammouri J., Neffati M. (2009)	Germination responses of <i>Spartidium saharae</i> (Coss. & Dur.) Pomel (Fabaceae) to temperature and salinity.	African Journal of Ecology: 48, 37–44 .
30	Guetat A., Zammouri J., Neffati M. (2009)	Morpho-phenological characterization of <i>Allium roseum</i> L. (Alliaceae) from different bioclimatic zones in Tunisia.	African Journal of Agricultural Research: 4, 1004-1014. 2009.
31	Rejili M., Ahmadou Vadel M., Guetat A, Lachiheb B and Ferchichi A. (2009)	Influence of Temperature and Salinity on the germination of <i>Lotus creticus</i> from the arid land of Tunisia.	African Journal of Ecology. 48 : 1-9.
32	Guetat A., Boulila N., Messaoud C., Boussaid M., Neffati M. 2008.	A simple, rapid and efficient method for genomic DNA extraction of from <i>Allium roseum</i> L. (Alliaceae) and preliminary evaluation of diversity.	African Journal of Biotechnology: 8, 4020-4024.
33	Guetat A., Boussaid M., Neffati M. 2008.	Etude de la vigueur reproductive de populations naturelles d' <i>Allium roseum</i> en Tunisie..	Plant Genetic Resources Newsletter: 153, 28-35
34	Rejili M., Ahmadou Vadel M., Guetat A, Neffati M. (2007)	Effect of NaCl on the growth and ionic balance Na <sup>+</sup> /K <sup>+</sup> of two populations of <i>Lotus creticus</i> .	South African Journal of Botany: 73, 623–631.
35	Guetat A., Rejili M., Mrabet. A., Harbi M. 2006).	Etude de la variabilité génétique des vignes spontanées ( <i>Vitis vinifera</i> . L) en Tunisie.	Revue des Régions Arides, numéro spéciale :59-67.

### B.3. Accomplished Scientific Research Projects:

No	Project & Date	Institution	Investigator(s)
1	Phytochemical study of <i>Anisosciadium</i> DC. (Apiaceae family)" in Saudi Arabia and its biological activities	Deanship of scientific research, Northern Border University (Kingdom of Saudi Arabia)	<b>Guetat A.</b> , Boulila A., Boussaid M
2	Lavender cotton ( <i>Achillea fragrantissima</i> (Forssk) Sch): a common species in the Northern regions of Saudi Arabia: essential oil variability, plant extracts valorization and green synthesis of Silver and Gold Nanoparticles and its biological activities	Deanship of scientific research, Northern Border University (Kingdom of Saudi Arabia)	<b>Guetat A.</b> , Boulila A., Boussaid M
3	Indicator plant species of degraded lands from the Northern Region of Saudi Arabia ( <b>434/031</b> )	Deanship of scientific research, Northern Border University (Kingdom of Saudi Arabia)	<b>Guetat A.</b> , A.K Osman and Ghamdi F.
4	Taxonomic study of the genus <i>Astragalus</i> the	Deanship of scientific research,	A.K Osman, Ghamdi F





	Northern Region of Saudi Arabia (434/025)	Northern Border University (Kingdom of Saudi Arabia)	and <u>Guetat A.</u>
5	Genetic diversity of Labiatae family in the Northern Region of Saudi Arabia (423/023)	Deanship of scientific research, Northern Border University (Kingdom of Saudi Arabia)	<u>Guetat A</u> and Ghamdi F.
6	Genetic variability of Natural populations of <i>Allium roseum</i> L. using AFLPs (A/9937/07)	Botanic Institute of Barcelona (Spain) / Arid Land Institute (Tunisia)	Roser Vilatersana and <u>Arbi GUETAT</u> et al.,

#### B.4. Conferences and Scientific Symposia:

No	Conference	Date & Place	Type of Involvement
1	First symposium of Aromatic and Medicinal plants: from production to valorization	Djerba (Tunisia), November 2 <sup>nd</sup> -4 <sup>th</sup> 2006.	Poster
2	Third symposium of Aromatic and Medicinal plants	Djerba (Tunisia), December 25 <sup>th</sup> – 26 <sup>th</sup> 2006.	Poster
3	International symposium of biotechnology organized by Maghreb society of Biotechnology	Yasmine Hammamat (Tunisia) Marsh 25 <sup>th</sup> -28 <sup>th</sup> 2007	Poster
4	International Symposium of Biotechnology	Sfax (Tunisia) May, 4 <sup>th</sup> -8 <sup>th</sup> 2008	Poster
5	Ninth National days of Biology organized by Tunisian Society of Natural Sciences	Yasmine Hammamat (Tunisia) November 5 <sup>th</sup> -8 <sup>th</sup> 2009	Oral Communication
6	International symposium of applied biotechnology on oasis culture	Djerba (Tunisia), Marsh 26 <sup>th</sup> – 28 <sup>th</sup> 2009.	Poster

#### B.5. Membership of Professional Societies:

1	Referee Member (2020) of MDPI or Multidisciplinary Digital Publishing Institute
2	Referee Member (2020) of Botanical Journal of the Linnean Society
3	Referee Member (2011-2013) of African Journal of Ecology
4	Referee Member (2011-2013) of African Journal of Biotechnology
5	Referee Member (2010-2011) of Molecular Diversity preservation International
6	Referee Member (2010-2011) of Biochemical Systematics and Ecology
7	Referee Member (2010) of Spanish Journal of Agriculture research
8	Member founder and member of Honors of Young researchers association (visa number 826 JORT n° 135 page 6459)
9	Referee Member (2010) of Industrial crop and products
10	Referee Member (2009-2010) of Journal of food composition and Analysis

#### FORM C: TEACHING ACTIVITIES

##### List of courses taught:

No	Courses taught by the applicant	Undergraduate	Graduate
1	General Biology (1103-101)	√	
2	General Biology for Medical bachelor (Bio 1103-102)	√	
3	General Genetics (Bio 221)	√	
4	Molecular Biology (Bio 325)	√	
5	Plant Ecology (Bio 443)	√	
6	Phycology (Bio 333)	√	

7	Computer Application in Biology (Bio 392)	√	
8	Biophysics (1101-487)	√	

**FORM D: ADMINISTRATION AND COMMITTEES ASSIGNMENT****D.1. University and Academic Committees** (Membership of academic councils – Supervising graduate students – Reviewing papers – Evaluating and approving theses – Organizing conferences and workshops .... Etc)

No	Work and/or Activity	Date
1	Member of the Standing Committee for International Cooperation and Knowledge Exchange	2020
2	Member of the implementation committee of the initiative “ strengthenes and diversification of strategic partnerships, (2.1.3.2) of the university's new strategic plan 2020-2025	2020
3	Member of the Committee of ;;the Implementation and the Automation of the Promotion System for Faculty Members, (1.4.1.5) of the University's New Strategic Plan 2020-2025	2020
5	Collaborator with the Agency for Postgraduate Studies and Scientific Research - tasked with documenting the university's new strategic plan initiatives 2020-2025	2020
6	Regular member of Biological Sciences Department board, College of Sciences Arar, Northern Border University, Kingdom of Saudi Arabia	2011-2021
7	Biological Sciences Department Academic coordinator	2012-2021
8	Member and rapporteur of the Committee of Academic Follow-up of Students College of Sciences Arar, Northern Border University, Kingdom of Saudi Arabia	2013-2020
9	Member of laboratories committee, College of Sciences Arar, Northern Border University, Kingdom of Saudi Arabia	2014-2020
10	Member of the Schedules Committee, College of Sciences Arar, Northern Border University, Kingdom of Saudi Arabia	2013-2020
11	Member of the Registration Committee, College of Sciences Arar, Northern Border University, Kingdom of Saudi Arabia	2013-2020
12	Member of the E-Learning and Learning Unit Committee, College of Sciences Arar, Northern Border University, Kingdom of Saudi Arabia	2020-2021
13	Member of the Training, Development and Community Service Unit Committee, College of Sciences Arar, Northern Border University, Kingdom of Saudi Arabia	2020-2021
14	Member of Arbitration Committees for Research Arbitration and Review - Deanship of Scientific Research at the University of Hail: 6 research proposals that have been judged	2016-2020

2023 / 01 / 1



Dr Arbi Guetat

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