

ALGERIAN PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH



N°... .. /SNV 2025

SETIF 1 UNIVERSITY - FERHAT ABBAS

Faculty of **NATURE AND LIFE SCIENCES**

Department of **Ecology and Environment**

MASTER'S THESIS

Presented by:

BENABID Nedjem Eddine , BELKHIRI Abdelmalek

DOMAIN: Nature and Life Sciences

FIELD: Ecology and Environment

SPECIALITY: Biodiversity and

Environment

Theme

**Floristic and ethnobotanical studies of medicinal plants
in Setif city - rational use and conservation**

Defended publicly on: 23/06/2025

In front of the Jury

President : MISSAOUI Khaled

MCA

SETIF 1 UFA

Supervisor : CHERMAT Sabah

PROF.

SETIF 1 UFA

Examiner: NOUIOUA Wafa

MCA

SETIF 1 UFA

Academic year: 2024/2025

Acknowledgements

We begin by expressing our deepest gratitude to Allah for His guidance and blessings throughout our educational journey.

We extend sincere thanks to our supervisor, Professor Chermat Sabah, for her expert guidance and constant support in our ethnobotanical research.

We gratefully acknowledge our jury members: Dr. Missaoui Khaled as President of the Jury and Head of Department, and Dr. Nouioua Wafa, for their valuable evaluation and insights.

Special appreciation goes to the local herbalists and medicinal plant users who generously shared their traditional knowledge and experiences.

To our parents: Your unwavering support and sacrifices made this achievement possible.

We thank all professors and teachers who guided us during our university journey, enriching both our knowledge and character.

Particular recognition to the Department of Plant Biology and Ecology, Dr. Eddine Ahmed, and Dr. Ben Moursli Asil for their specialized mentorship.

Dedication

With deep love and remembrance, I dedicate this work to:

My cherished aunt who raised me with boundless devotion, and my beloved cousin who left us too soon in youth. Though both have returned to Allah's mercy before seeing this day, their dreams for my education remain alive in every achievement.

To my guiding grandparents whose wisdom shaped my foundation, and to my beloved mother whose endless sacrifices nourished my growth.

To my pillars of strength: my two precious sisters and dear brother.

To my extended family: maternal aunts, uncles, and their families who sheltered me with unconditional love.

To my faithful friends who journeyed with me through every challenge.

And to my academic brother Belkhiri Abdelmalek, steadfast companion from our first university year to this triumphant moment.

"Indeed, to Allah we belong and to Him we shall return." (Qur'an 2:156)

May Allah envelop my aunt and cousin in His infinite mercy, forgive their shortcomings, and grant them the highest ranks in Jannatul Firdaus. May He reunite us in the abode of eternal peace.

Nedjem Eddine

Dedication

I dedicate this work with profound love and gratitude:

To my beloved parents your sacrifices forged my success.

To my two dear sisters your unwavering support steadied my every step.

To my treasured friend your presence illuminated my path.

To my dear aunt and cherished cousin your warm love has been my safe fortress.

To Benabid Nedjem Eddine, my academic journey companion:

Our partnership from first-year lectures to this crowning achievement

made the odyssey unforgettable.

May this accomplishment honor all who stood by me.

Abdelmalek

ملخص

تهدف هذه الدراسة الإثنوبوتانية إلى توثيق المعرفة التقليدية حول النباتات الطبية في مدينة سطيف، الجزائر، من خلال مقابلات مع 60 مشاركًا محليًا (50 من أفراد المجتمع و10 عشابين). ركزت الدراسة تحديدًا على البيئة الحضرية لمدينة سطيف، حيث تم تسجيل الاستخدامات التقليدية لـ25 نوعًا نباتيًا مستخدمًا في الممارسات الصحية المحلية .

تكشف الدراسة عن الخصائص الفريدة للمعرفة الإثنوبوتانية الحضرية في سطيف، حيث يستمر استخدام النباتات التقليدية في سياق المدينة الحديثة. تؤكد النتائج على الحاجة الملحة للحفاظ على هذا النظام المعرفي الهش قبل أن يختفي. توفر البحث توثيقًا أساسيًا لدراسات فارماكولوجية مستقبلية، مع التركيز على أهمية اعتبارات السلامة في الطب النباتي التقليدي .

تمثل هذه المقاربة الحضرية إضافة جديدة للإثنوبوتانيا في منطقة البحر المتوسط من خلال دراسة كيفية تكيف المعرفة النباتية التقليدية في البيئات الحضرية .

الكلمات المفتاحية:

الإثنوبوتانيا الحضرية، النباتات الطبية، الطب التقليدي، مدينة سطيف، الجزائر، العلاج بالنباتات

Abstract

This ethnobotanical study documents traditional medicinal plant knowledge in Sétif city, Algeria, through interviews with 60 local participants (50 community members and 10 herbalists). Focusing specifically on the urban environment of Sétif, the research recorded traditional uses of 25 plant species employed in local healthcare practices. The study highlights the unique characteristics of urban ethnobotanical knowledge in Sétif, where traditional plant use persists within a modern city context. Findings underscore the urgent need to preserve this vulnerable intracultural knowledge system before it disappears. The research provides baseline documentation for future pharmacological studies while emphasizing the importance of safety considerations in traditional plant medicine. This urban-focused approach contributes new insights to Mediterranean ethnobotany by examining how traditional plant knowledge adapts in city environments .

Keywords:

Urban ethnobotany, medicinal plants, traditional medicine, Setif city, Algeria, phytotherapy

Résumé

Cette étude ethnobotanique documente les savoirs traditionnels liés aux plantes médicinales dans la ville de Sétif, en Algérie, à travers des entretiens menés auprès de 60 participants locaux (50 membres de la communauté et 10 herboristes). En se concentrant spécifiquement sur l'environnement urbain de Sétif, la recherche a recensé les usages traditionnels de 25 espèces végétales utilisées dans les pratiques de soins locaux. L'étude met en lumière les caractéristiques uniques des connaissances ethnobotaniques urbaines à Sétif, où l'usage traditionnel des plantes persiste dans un contexte de ville moderne. Les résultats soulignent l'urgence de préserver ce savoir intraculturel vulnérable avant sa disparition. La recherche constitue une base de documentation pour de futures études pharmacologiques, tout en insistant sur l'importance des considérations de sécurité dans la médecine traditionnelle à base de plantes. Cette approche centrée sur le milieu urbain apporte de nouvelles perspectives à

l'ethnobotanique méditerranéenne, en explorant l'adaptation des savoirs traditionnels aux environnements citadins.

Mots-clés :

Ethnobotanique urbaine, plantes médicinales, médecine traditionnelle, ville de Sétif, Algérie, phytothérapie