



ETHNOBOTANICAL SURVEY OF THE APIACEAE FAMILY SPECIES USED IN THE REGION OF SOUK-AHRAS (NORTHEASTERN ALGERIA)

Abdelkader Djouamaa ⁽¹⁾ Lamia BOUTABIA ^{(2)*} Adel Ayari ⁽³⁾ Mohcen Menaâ ⁽⁴⁾ Kaouther Guellati ⁽⁵⁾ Moundji TOUARFIA ⁽⁶⁾
Mohammed Chérif MAAZI ⁽⁷⁾

⁽¹⁾ Laboratory Aquatic and Terrestrial Ecosystems, Department of Biology, Faculty of Nature and Life Sciences, Université Mohamed-Cherif Messaadia, Souk Ahras, Algeria.

⁽²⁾ Laboratory of Agriculture and Ecosystem Functioning, Faculty of Natural and Life Sciences, University of Chadli Ben Jdid, EL TARF, Algeria.

⁽³⁾ Laboratory Aquatic and Terrestrial Ecosystems, Department of Biology, Faculty of Nature and Life Sciences, Université Mohamed-Cherif Messaadia, Souk Ahras, Algeria.

⁽⁴⁾ Laboratory Aquatic and Terrestrial Ecosystems, Department of Biology, Faculty of Nature and Life Sciences, Université Mohamed-Cherif Messaadia, Souk Ahras, Algeria.

⁽⁵⁾ Laboratory Aquatic and Terrestrial Ecosystems, Department of Biology, Faculty of Nature and Life Sciences, Université Mohamed-Cherif Messaadia, Souk Ahras, Algeria.

⁽⁶⁾ Department of Biology, Faculty of Nature and Life Sciences, Université Mohamed-Cherif Messaadia, Souk Ahras, Algeria.

⁽⁷⁾ Laboratory of Aquatic and Terrestrial Ecosystems, Department of Biology, Faculty of Natural Science and Life, Université Mohamed-Cherif Messaadia, Souk Ahras, Algeria.

* Corresponding author

Abstract

*The Apiaceae family is one of the largest plant groups and contains a huge number of medicinal plants. The wildlife and cultural heritage of the Souk-Ahras region located in northeastern Algeria are both abundant. As a result, we assumed that the people of Souk-Ahras would know how to use indigenous medicinal plants in the traditional way. The present study is a contribution to the knowledge of the medicinal plants of the Apiaceae family. For this, a series of ethnobotanical surveys were carried out between January and April 2019 using 260 questionnaire sheets, where the prospecting of different localities in the Souk-Ahras region in search of Apiaceae resulted in the inventory of 25 species/subspecies belonging to 21 genera in these regions, and identify 13 medicinal species that can treat 24 pathological groups, the most common are digestive problems where the Fennel (*Foeniculum vulgare* Mill.) is the highest plant mainly used to treat digestive symptoms (16%). A decoction is the most used method (69 %) and the mostly administrated method is oral (84%). The seeds constitute the most used part in the studied region with (49%) then comes the underground part (13%). Cultivated plants of the Apiaceae taxa are widely used with (68%). Women are more used Apiaceae taxa with (57%) against male sex (43%). The age group under 50 years (67%) is the first user. Finally, the study uncovered a remarkable amount of ethnopharmacological knowledge and information that is ingrained in the Souk-Ahras people's cultural and traditional heritage and calls for further study.*

Author Keywords

Apiaceae, Ethnobotanical Survey, Medicinal Plants, Souk-Ahras, Algeria

Acknowledgement

We are appreciative to the inhabitants in the study area during the ethnobotanical field surveys in the research region. We sincerely thank everyone who offered assistance to us during the study process.

Scope Database Link: <https://sdbindex.com/documents/00000616/00001-84533>

Article Link: [http://www.plantarchives.org/article/26 ETHNOBOTANICAL-SURVEY-OF-THE-APIACEAE-FAMILY-SPECIES-USED-IN-THE-REGION-OF-SOUK-AHRAS-\(NORTHEASTERN-ALGERIA\).pdf](http://www.plantarchives.org/article/26%20ETHNOBOTANICAL-SURVEY-OF-THE-APIACEAE-FAMILY-SPECIES-USED-IN-THE-REGION-OF-SOUK-AHRAS-(NORTHEASTERN-ALGERIA).pdf)

ISSN Print: 0972-5210

Source Type: Journals

Publication Language: English

Abbreviated Journal Title: PA

Publisher Name: Dr. Rama Shankar Yadav

Major Subject: Life Sciences

Subject area: Agronomy and Crop Science

ISSN Online: 2581-6063

Document Type: Journal Article

DOI:

<https://doi.org/10.51470/PLANTARCHIVES.2022.v22.no2.026>

Access Type: Open Access

Resource Licence: CC BY-NC

Subject Area classification: Agricultural and Biological Sciences

Source: SCOPEDATABASE