**Mansoor Khan**

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**Personal Information**

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**Date of Birth: 04-5-1999**

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# **About me**

**I wish to improve my scientific vision in an environment of high calibre to feed my potential abilities and build my capacity in my knowledge and experiences. I want to benefit humanity from my current Knowledge and experience, as I am young and energetic and have high motivation for the service of humanity. Besides that, I always feel very joyous and fortunate to meet and greet people belonging to different backgrounds and cultures. As such meetings are always important because they prove to be beneficial in future also it makes things easy to cope whether one works in his own country or outside the country.**

# **Education**

**BS (Hons) in Botany from University of Malakand**

**Session: 2018-2022**

**Subjects:**

* Diversity of Plants
* Environmental Science
* Plant systematic Anatomy & Development
* Cell Biology, Genetics & Evolution
* Plant Physiology & Ecology
* Molecular Biology
* Biodiversity & Conservation
* Bacteriology & Virology
* Diversity of Vascular Plants
* Plant Systematic
* Plant Anatomy
* Plant Ecology
* Plant Physiology
* Plant Biochemistry
* Advance in Plant Breeding
* Tissue Culture
* Environmental Biology
* Advance in Plant Taxonomy

# **Thesis**

* Ethno-Medicinal documentations of local plants of district Malakand, and proximate nutritional, Elemental and phytochemical analysis of nasturtium officinale.

# **Lab Skills**

Collection of Samples from Plants, Extraction of DNA from collected Samples, Designing pf Primers, Polymerase chain Reaction (PCR) protocol and running, Incubator, Autoclave, software like Unipro UGENE and Databases like NCBI, RNA Structure web server, MitoTip and Gene bank etc.

**Research Project**

**Abstract**

A total of 50 medicinal plants species belonging to 29 families were reported*.* The current study reveals that the plants collected mostly belong to familyAsteraceae (07), Fabaceae (07) followed by Lamiaceae (05), Euphorbiaceae (03), Apocynaceae (02), Moraceae (02), Verbenaceae (02), were reported used for medicinal purposes. Indigenous use of medicinal plants in the communities residing in Kot Manzaray Baba. The current study reveals that growth form majority of plants studied for their ethno-medicinal uses were Herbs (54%), shrubs (26%), followed by trees (20%). Most *widely used parts is* leaves (40%), whole plant (20%), fruit (14%), stem (10%), flower (6%), (seed 6%) followed by (root 4%).

The current study reveals that crude drugs preparation of the plants studied for the ethno-medicinal uses were powder 40%, decoction 24%, concoction 24% followed by infusion 12%. Mode of administration of the plants studied for the ethno-medicinal uses were oral 60% followed by dermal 40%. Habitat majority of the plants studied for the ethno-medicinal uses were dry land 70%, wet land 16%, and followed by arable land 14%. Habit majority of the plants studied for the ethno-medicinal uses were perennial 60%, annual 34%, followed by biennial land 6%. Habitat majority of the plants studied for the ethno-medicinal uses were dry land 70%, wet land 16%, and followed by arable land 14%.

The proximate nutritional analysis of *Nasturtium officinale* W.T.Aitionsuch as the moisture content (90.03%), dry content (9.07%), ash content (16.01), crude protein (6.25%), crude fat (4%), fiber (7.02%), carbohydrates (47.8%) and energy value 331.2kcal/100g were reported. Elemental analysis of *Nasturtium officinale* W.T.Aition such as C (51.84%), O (36.14%), N (4.15%), Mg (0.39%), Al (0.23%), Si (0.83%), P (0.19%), S (0.66%), K (2.60%), Ca (0.94%), Cl (1.48%). And phytochemical Analysis of *Nasturtium officinale* W. T. Aition showed that the Flavonoids, Glycosides, Terpenoids were present and Tannins, Saponins, and Steroids were absent. The study showed that the study area is rich in wild plants and more studies is needed to explore the important plants of the area.

**Key**: Ethno-medicinal, Proximate nutritional, Elemental, Phytochemical, Malakand.

Conferences/ Seminars attended:

* **One day training workshop on SciCom (Public Understanding of Science), Hosted by Malakand University, on 2-July-2021, Organized by Pakistan Science Federation Islamabad and Pakistan Nuclear Society, (**[**www.technologytimes.pk**](http://www.technologytimes.pk)**).**
* **Two days’ workshop on BioE university of Malakand, Hosted by Malakand University, on 21-22 April 2020, Organized by the Directorate of Science and technology and Government of Khyber Pakhtunkhwa, Peshawar.**

**Intermediate**

**Pre –medical government Post Graduate College Dargai Malakand KPK**

# **• Biology • Chemistry • Physics**

**Matric**

**Science FCS School & College Dargai Malakand KPK**

# **Main Subjects: Biology • Chemistry • Physics**

# **Skills**

**MS Office, End Note, MS Word for Long Document, MS Excel for large data matrices, MS Power Point for posters presentations and conferences.**

# **Hobbies and Interests**

**Hobby or Interest Computing**

**Playing Chess Mentoring Reading Travelling**

# **Languages**

**What is reveals about Candidate?**

**It’s technical-minded and good with technology, may also be introverted**

**It’s Intelligent, a strategist and deliberates before taking action.**

**As a team player has a good communication and interpersonal skills**

**Is intelligent, like learning new things, is open minded and analytical**

**Is outgoing social and adventurous**

**Language Level**

**English Fluent**

**Urdu Fluent**

**Pashto Fluent**

# **References**

**Dr. Abidullah**

**Assistant Professor from University of Malakand**

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**Mr. Rab Nawaz,**

**Assistant Professor from GPGDC Dargai**

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**Mr. Muhammad Ibrahim**

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