**ETHNOBOTANICAL KNOWLEDGE OF THE MUSLIM COMMUNITY OF BARPETA, ASSAM, INDIA. Haripriya Das**

**ABSTRACT** – The research is conducted in two village of Barpeta district .This research tries to primarily focus on the relationship of man with its biological surrounding by investigating the ways to how Muslim community of Barpeta district cure and prevent diseases on their own ways directly with the help of plants and herbs . It was found that both man and its environment is interrelated. The local healers do diagnose and treat the people. They are also into spiritual healing and other kinds of treatments. The knowledge of plants and the parts to be used for different diseases were incredible.

**KEYWORD**- Ethnobotany, herbal plants, human, disease, treatment , medicine.

**INTRODUCTION**- Ethnobotany has major role to play in man’s life right from food to cure . Survival depends mostly on ethnobotany as it is all about how human developed relationship with nature through trial and error and how indigenous plants are being used as food and cure for diseases. The use of plants is a part of complex socio- ecological system; it indicates how relationship between nature and human evolve in time and space (Albuquerque *et al.*2017). Ethnobotany is a branch of biology that focuses on the relationship between people and plants in general and, more specifically, on the research, observation, and identification of the diverse botanical species used to treat and prevent human and animal diseases. Ethnobotany is the study of plants used by the aboriginal people (Harshberger,1896). Studies on ethnobotany can shed light on how communities locally interact with their natural resources, ethnobotanical studies have the ability to combine and integrate local and scientific knowledge. According to the World Health Organization (WHO), the use of herbal remedies throughout the world exceeds that of the conventional drugs by two to three times (Evans, 1994). In India vast sections of the rural population have no assess to modern medicine (Mudur, 1997)

 **STUDY** **AREA**- The research was conducted in the beginning of 2023 in Barpeta district of Assam, India . Two village were considered for field study ,they were Nagaon , Batgaon. The atmosphere of the study area was calm,clean and green. Though it is a rural area , still it has all kinds of medical facilities ,apart from this other facilities like transportation and communication, educational institution, road connectivity is well developed .

**OBJECTIVE OF THE STUDY**- The researcher was keenly invested in investigating the grounded connection of man, environment and disease .

**METHODOLOGY**- The primary focus of the research was to acquire primary data from the field via random sampling , observation method, interview method , audio recording method.

**RESULT**-

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| SERIAL N  | SCIENTIFIC NAME OF THE PLANT  | ENGLISH NAME | LOCAL NAME  | USABLE IN DISEASE | LOCAL NAME  | PARTS IN USE  |
| 1 | *Cynodon dactylon*  | Bermuda grass | *Long duburi* | Nerve disease | *Hotok* | Root |
| 2 | *Brassica nigra* | Black mustard  | *Khas tel* | Nerve desease | *Hotok* | Seed |
| 3 | *Aerva javarnica*  | Desert cotton  | *Bilaisara gosh* | Piles  | *Baoshi* | Root |
| 4 | *Amaranthus tricolor* | Edible amarnath | *Murogphool* | Piles | *Baoshi* | Root |
| 5 | *Mimosa pudica*  | Shame plant  | *Lajjapati* | Piles | *Baoshi* | Root |
| 6 | *Tinospora cordifolia* | Heart-shaped moonseed | *Amburaz* | Acidity and worm | *Gas and kirmi*  | Stem  |
| 7 | *Diplazium esculentum* | Fiddlehead fern | *Dhekia*  | Fractured bone  | *Thetela har*  | Root |
| 8 | *Colocasia esculenta*  | Taro  | *Kala kosu*  | Night fever  | *Chura jor*  | Root |
| 9 | *Eclipta prostrate*  | False daisy | *Kala keshur*  | Asthma  | *Hapani*  | Root |
| 10 | *Heliotropium indicum* | Indian helitrope  | *Gathisur gosh*  | Tonsil  | *Golor bikh*  | Leaf |
| 11 | *Typhonium trilobatum* | Bengal arum | *Kharkon gosh* | Liver ailment  | *Okhustho kolija*  | Tuber |
| 12 | *Euphorbiahirta;**Diplazium esculemtem* | Milk hedge Fern | *Dudhujaron**Dhekia* | Diarrhea | *Shutigari* | Leaf Bark Root |
| 13 | *Bryophyllum* *pinnatum* | Life plant  | *Paate goja*  | Kidney stone  | *Kidney khil .*  | Leaf  |
| 14 | *Azadirachta indica* | Neem  | *Neem* | Skin irritation  | *Saal okhukh*  | Leaf |
| 15 | *Centella asiatica* | Indian pennywort | *Manimuni*  | Dysentery  | *Pet bemar*  | Leaf |
| 16 | *Tinospora cordifolia* | Giloy | *Giloy* | FeverDengueStomach ache Immunity booster | *Jor**Dengue**Pet bikh**Gaar khokti* | Leaf Stem Root  |

**ANALYSIS** **AND** **CONCLUSION**-

The ethnobotanical study in Barpeta district highlights how environment plays the major role in the life of the people right from survival to curing diseases. Plants available around people has the potential to cure any form of ailments and with time which people has acknowledged through trial and error, practice and oral traditions . Assam is a land of forest which holds numerous plants and herbs. The herbal medicines / traditional medicaments have therefore been derived from rich traditions of ancient civilizations and scientific heritage (Kamboj, 2000).Planting trees and taking care of them were the primary activity of the people in the district as they practice sustainable agriculture . The richness in vegetation permits the people to consume more of vegetarian diet which includes root, leaf, flower , fruit , stem , rhizome, seed etc . This kind of diet has always been the healthiest food dishes cooked in the kitchen. Such kind of diet did help the locals to understand the properties of the plants around them which aided in prevention and cure of different ailments .The locals do visit herbal practitioners in their localities to consult and treat different types of ailments of all age group people irrespective of gender (sex). On the other hand they do visit Allopathy , Homeopathy, Ayurveda practitioners for treatments in the first place or after the failure under traditional healer.

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