



SURVEY OF PLANTS OF NEWASA TAHASIL OF AHMEDNAGAR DISTRICT (MS, INDIA)

¹S.R. Kale*, ²B.N. Sonawane and ³C.S. Arsule

^{1,2}Shri. Dnyaneshwar Mahavidyalaya, Newasa. Dist Ahmednagar, (M.S.) 414603.

³New Arts Commerce and Science College, Ahmednagar. (M.S.).

*Corresponding Author: sureshkale00@gmail.com

Communicated : 22.02.2020

Revision : 25.03.2020 & 29.4.2020
Accepted : 23.05.2020

Published: 30.05.2020

ABSTRACT:

The Newasa area is located in the Ahmednagar district of Maharashtra. The choice of the study area the topics under investigation are influenced by many consideration. Newasa taluka located 19⁰ to 19⁰39¹ N latitude and 74⁰48¹ to 75⁰ east longitude. The area is rich in vegetation shows more biodiversity of plant species. The present paper provides information regarding 32 plants belonging to 19 families survey from Newasa tahasil of Ahmednagar district (MS). Brief information about the botanical names, family, English names and local names have been presented.

Key words: *biodiversity, botanical names, Newasa taluka.*

INTRODUCTION:

The Newasa area is located in the Ahmednagar district of Maharashtra. The choice of the study area the topic under investigation is influenced by many consideration. Newasa taluka located 19⁰ to 19⁰39¹ N latitude and 74⁰48¹ to 75⁰ east longitude. Floristic diversity can be defined as the variety and variability of plants in a given region. It refers to the number of types or taxa in a given region or group. Floristic diversity can be measured at any level from overall global diversity to ecosystem, community, species, populations, individuals and even to genes within a single individual. The present paper provides information regarding about the botanical names, family, English names and local names survey from Newasa tahsil of Ahmednagar district (MS).

MATERIALS AND METHODS:

1) The present study was carried out in Newasa tahasil of Ahmednagar District (MS) during 2018-2019.

2) The information regarding local name, uses and significance of plants were collected through consulting the local people through interviews, discussions and observations.

3) Several specimens of plants were collected. Most of the plants were collected fresh, photographs of collected plant species were also made, so as to enhance their identification.

4) The plant species obtained from the survey were identified using keys and description given in The Flora of Presidency of Bombay (Cooke,1958), Flora of Marathwada (Vol. I and Vol. II) by V.N. Naik (1998) etc.

RESULTS AND DISCUSSION:

The present paper provides information regarding 32 plants belonging to 19 families survey from Newasa tahasil of Ahmednagar district (MS). Brief information about the botanical names, family, English names and local names have been presented in table no.

1.

**REFERENCES:**

- Cooke T. 1958. Flora of Presidency of Bombay (Reproduce edition), (Botanical Survey of India, Calcutta, India) I, II, III.
- Cooke T. 1967. Flora of Presidency of Bombay. Vol. 1-3. Botanical Survey of India, Calcutta, India.
- Naik V.N. 1998. Flora of Marathwada, Vol. I (Amrut Prakashan, Aurangabad).
- Shirke D.R. 1983. The study of the Flora of Ahmednagar. Journal of University of Poona, Science & Technology,56: 55-70.
- Shrestha U.B., Shrestha, B.B., Shrestha, S. 2010. Biodiversity conservation in community forests of Nepal, Internat. Journal of Biodiversity and Conservation,2 (5): 98-104.
- Singh N. P. and Kartikeyan S.2000. Flora of Maharashtra State (Dicotyledones), Vol.1. Botanical Survey of India

Table No. 1.

Sr. No.	Botanical Name	Family	English Name	Local Name
1.	<i>Aegle marmelos</i> , Corr.	Rutaceae	Bilw	Bel
2.	<i>Albizia lebbek</i> , Benth.	Leguminosae	Shirish	Shirish
3.	<i>Annona squamosa</i> , L.	Annonaceae	Sitafalam	Sitafal
4.	<i>Azadiracta indica</i> , A. Juss	Meliaceae	Nimb	Kadunimb
5.	<i>Bambusa arundinacea</i> , Willd.	Gramineae	Vansh	Bamboo
6.	<i>Bauhinia Purpurea</i> L.	Caesalpiniaceae	Kancanara	Apata
7.	<i>Butea monosperma</i> , Taub,	Leguminosae	Palash	Palas
8.	<i>Caesalpinia cristata</i> , L.	Leguminosae	Latakaranj	Sagrkota
9.	<i>Caesalpinia pulcherrima</i> , L.	Caesalpiniaceae	Peacock flower	Shankasur
10.	<i>Calotropis procera</i> , R. BR.	Asclepiadaceae	Ark	Rui
11.	<i>Cassia fistula</i> , L.	Caesalpiniaceae	Argwada	Bahava
12.	<i>Citrus aurantifolia</i> , Swingle	Rutaceae	Nimbuk	Limbu
13.	<i>Cocos nucifera</i> , L.	Palmae	Narikel	Naral
14.	<i>Dalbergia Sissoo</i> , Roxb.	Leguminosae	Shinshpa	Shisam
15.	<i>Emblica officinalis</i> , Gaertm.	Euphorbiaceae	Amlaki	Avala
16.	<i>Eucalyptus globulus</i> , Labill.	Myrtaceae	Tailparni	Nilgiri
17.	<i>Eujenia jambolana</i> , Lam.	Myrtaceae	Jambu	Jambhul
18.	<i>Ficus glamerata</i> , Roxb.	Moraceae	Udumbar	Umbar
19.	<i>Ficus religiosa</i> , L.	Moraceae	Ashwatth	Pimpal
20.	<i>Mangifera indica</i>	Anacardiaceae	mango	Amba
21.	<i>Moringa oleifera</i> , Lamk.	Moringaceae	Shigru	Shevaga
22.	<i>Polyalthia longifolia</i> , B & H	Annonaceae	Kashthadaru	Ashok
23.	<i>Pongamia pinnata</i> , Lour.	Leguminosae	Karanj	Karanj
24.	<i>Punica granatum</i> , L.	Punicaceae	Dadim	Dalimb
25.	<i>Ricinus communis</i> , L.	Euphorbiaceae	Erand	Erand
26.	<i>Santalum album</i> , L.	Santalaceae	Chandan	Chandan
27.	<i>Sapindus trifolius</i> , L.	Sapindaceae	Arishta	Ritha
28.	<i>Sesbania grandiflora</i> , Poir.	Papilionaceae	Agastya	Hadaga
29.	<i>Tamarindus indica</i> , L.	Caesalpiniaceae	Amlica	Chinch
30.	<i>Terminalia belerica</i> , Roxb.	Combrataceae	Vibhitak	Behada
31.	<i>Terminalia chebula</i> , Retz.	Combrataceae	Haritaki	Hirda
32.	<i>Zizyphus jujuba</i> , Lamk.	Rhamnaceae	Unnav	Bor