

*Advanced Studies in  
Pure Science and  
Applied Science*



कला, वाणिज्य व विज्ञान  
कनिष्ठ व वरिष्ठ महाविद्यालय

**Chief Editor**

**Dr. B. M. Dhoot**

**Co-Editor**

**Dr. S.V. Kshirsagar**

**Dr. S.U. Kalme**

**Dr. P.R. Surve**

## **Advanced Studies in Pure Science and Applied Science**

### **Chief Editor**

Dr. B. M. Dhoot

### **Co-Editor**

Dr. S.V. Kshirsagar

Dr. S.U. Kalme

Dr. P.R. Surve

**ISBN No.** 978-93-82995-25-8

### **Published by:**

Anuradha Publications

Cidco-Nanded

**Publication Year:** 2018-19

**Price-** Rs. 250/-

**Copyright © ACS College, Gangakhed**

### **Printed by**

Gurukrupa Offset,

Near Police Station, Gangakhed

### **Typesetting by:**

Simran Computers

Gangakhed Dist.Parbhani

### **Cover Designby:**

Mr. Imran K. Mohammad

**CONTENTS**

<b>Sr. No.</b>	<b>Content</b>
01	Noise Pollution: The Effect on Human Being and its Measures for Control
02	A Review of Image Recognition Using Soft Computing Techniques
03	The Study of Plants That Treat Dog Bites
04	Physico-Chemical Analysis of Pineapple Juice and Pineapple Waste
05	A Review of Blur Image Restoration Using Soft Computing Techniques
06	The Study of Abelmoschus Moschatus and Its Uses
07	Sol-gel synthesis and cation distribution of $Mg_{1-x}Zn_xFe_2O_4$ ferrite
08	The Study of Arabic Acacia and its Applications
09	Results on Kanan Fixed Point Theorem in Generalized Metric Space (g.m.s.)
10	Diversity and bioactive compounds from Endophytes of medicinal plants: A short review
12	Current Research in Green Chemistry to Sustain the Life
13	Electric Double Layer Supercapacitor (EDLS)
14	Fixed Point Theorem of Delbosco Contraction in Complete Metric Space
15	Examining medicinal plants as potential treatments for dental infections
16	A Review of Blur Image Restoration, Features, and Types of Blur

\*\*\*\*\*

## The Study of *Abelmoschus Moschatus* and Its Uses

Ladda R.G.

A.C.S. College Gangakhed.

English name: Jequirity

Marathi Name: Gunj

### Distribution

It has dense axillary racemes of pink flowers on it. Oblong, cylindrical, inflated pods that measure 5 to 6 cm by 1 cm each contain three to six spherical, glossy, black and red seeds. The perennial climber *A. precatorius* has a thin stem. 5–8 cm long pinnate leaves are present. Rhomboid, opposing, 20–24 or more leaflets range in length from 1.2–1.9 cm. The leaf edge is complete.

**Plant component used medicinally:** Leaf and Seeds

### Medicinal uses

For scurvy, hack, bronchitis, spruce, hepatitis, and as a soft drink, a turkey in its leaves is recommended. Arbus protorase 3 seeds are also used to treat seizures, eye irritation, diseases, syphilis, and Lycostic spots. Viral hepatitis and medications are to blame for the leaves, fever, jaundice, and contamination. Seeds are used to treat fever, wilderness fever, headache, passing out, and unnatural births. Seeds are unusual for stopping up, trucoma, wilderness fever, and a coffee bottle. Central African women use powdered seeds to prevent pregnancy. It is used to reduce shallow weight and extreme pain in the brain. Seed is harmful, but it is clear that it can treat bacteria, cleanse the stomach, and patch the release of galactoproteins. Seeds are used for energetic, tonic, sexual, and neurological disarray due to their refining properties. Children, pregnant women, and stomachs can be used as a shelter, tonic, or both, and they can be treated with terrible pain in the brain. Antibacterial, antihelmintic, antiviral, anti-red hot, anticancer or antitumor, antiplatelet, antiprotozoal, immunomodulatory, antioxidant, antiplasmodial, antitubercular and molluscicidal, antiidiabetic, anti-productivity, antispasmodic (the phrenic nerve-stomach), antibacterial (*Staphylococcus aureus*, *Streptococcus pyogenes* A 200 mg dose of powdered seeds is taken orally to protect against 13 menstrual cycles. As a tonic for children and pregnant women, approximately 14 grams of powdered seeds are used. About 5 to 7 percent of seed grains are prescribed for *Bordetella pertussis*-related pertussis.

### Toxic effect

It's extremely risky. With an EC<sub>50</sub> of 2.29 mg/ml, the methanol extraction of these seeds revealed a lack of human sperm development. A man's body mass index equals 0.02 mg/kg of LT<sub>5</sub> weight. A detachment of the intestines, outrageous runs, cold sweat, a rapid heartbeat, organ frustration, a dazed state, and circulatory rot are all signs of genuine free insides. Alpha mice are administered 50 mg/kg of half orally through the juice channel for 30 and 60 days. In the preliminary rodents, sperm check, and semen and leptic cells of the preliminary rodents treated with steroid analysis on the seeds, bit-based DNA change changes were discovered.