Shri Vasantrao Banduji Patil Trust's

# APPASAHEB BIRNALE COLLEGE OF PHARMACY, SANGLI

**SELF STUDY REPORT (SSR) YEAR 2022-23** 

Criterion 7
Key Indicator 7.3

<u>Institutional Values and Best Practices</u> <u>Institutional Distinctiveness</u>



#### Formulation and Evaluation of Herbal Pharmaceuticals

Herbal pharmaceuticals have been used for many diseases since ancient times. The demand for herbal pharmaceutical has increased in developed countries.

### **Objective:**

- > To help stakeholders for formulation of herbal product, as herbal pharmaceuticals containing natural ingredients are safer than synthetic drugs.
- ➤ To provide assistance to other stakeholders for evaluation of different formulations.
- ➤ To develop herbal pharmaceuticals for various diseases.
- > To provide an inter- disciplinary research environment.
- > To standardize various herbal pharmaceuticals.

Appasaheb Birnale College of Pharmacy is actively involved in formulation and development of different herbal pharmaceuticals. College providing assistance in the formulation and development of herbal products like tablets, shampoo, crack cream, cold cream etc. The institute is assisting numerous Ayurveda doctors in the development of herbal formulations. Appasaheb Birnale College of Pharmacy actively involved in evaluation of different herbal pharmaceuticals. The herbal pharmaceuticals are evaluated in terms of various parameters like ash value, extractive value, LOD, moisture content, sap value, acid value, iodine value, acid insoluble ash value, alcohol soluble extractive value and sulphated ash value. The College has evaluated various formulations received from Ayurvedic College in last three years.

- Avipattikar Churna
- Raktachandan Churna
- Sitopaladi Churna
- ➤ Ashwgandh Churna
- > Shatavari kalpa
- Sukhsarak Churna
- Kantakari Churna

- Nagkeshar Churna
- > Talisadi Churna
- ➤ Lodhra Churna
- Yastimadhuka Churna
- ➤ Hingwasthak Churna
- > Shanthi Churna
- Gandharva Haritaki Churna

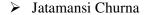
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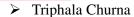
**SELF STUDY REPORT (SSR) YEAR 2022-23** 

**Criterion 7 Institutional Values and Best Practices Key Indicator 7.3** 

**Institutional Distinctiveness** 



- Trikatu Churna
- Guduchi Churna



- Nagarmotha Churna
- Ayush Kwatha

Appasaheb Birnale College of Pharmacy is well equipped with instruments and equipments for formulation and evaluation of herbal pharmaceuticals.

- > Tablet compression machine
- > Fluidized bed Processor
- > Humidity chamber
- > Extruder Spherodiser machine
- ➤ IR moisture analyzer
- ➤ KF titrator
- ➤ UV- Visible spectroscopy

- > High performance liquid chromatography
- ➤ Infra red Spectroscopy
- ➤ Gas chromatography
- ➤ CO<sub>2</sub> Incubator
- ➤ Muffle furnace



Principal Appasaheb Birnale College of Pharmacy, Sangli