



### 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.

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|-----------------------|-----------------------------|
| ➤ Avipattikar Churna  | ➤ Nagkeshar Churna          |
| ➤ Raktachandan Churna | ➤ Talisadi Churna           |
| ➤ Sitopaladi Churna   | ➤ Lodhra Churna             |
| ➤ Ashwgandh Churna    | ➤ Yastimadhuka Churna       |
| ➤ Shatavari kalpa     | ➤ Hingwasthak Churna        |
| ➤ Sukhsarak Churna    | ➤ Shanthi Churna            |
| ➤ Kantakari Churna    | ➤ Gandharva Haritaki Churna |





## Criterion 7

## Key Indicator 7.3

Institutional Values and Best PracticesInstitutional Distinctiveness

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|--------------------|---------------------|
| ➤ Jatamansi Churna | ➤ Triphala Churna   |
| ➤ Trikatu Churna   | ➤ Nagarmotha Churna |
| ➤ Guduchi Churna   | ➤ Ayush Kwatha      |

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

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|--------------------------------|--|
| ➤ Tablet compression machine   | ➤ High performance liquid chromatography |
| ➤ Fluidized bed Processor      | ➤ Infra red Spectroscopy                 |
| ➤ Humidity chamber             | ➤ Gas chromatography                     |
| ➤ Extruder Spherediser machine | ➤ CO <sub>2</sub> Incubator              |
| ➤ IR moisture analyzer         | ➤ Muffle furnace                         |
| ➤ KF titrator                  |  |
| ➤ UV- Visible spectroscopy     |  |



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