SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES



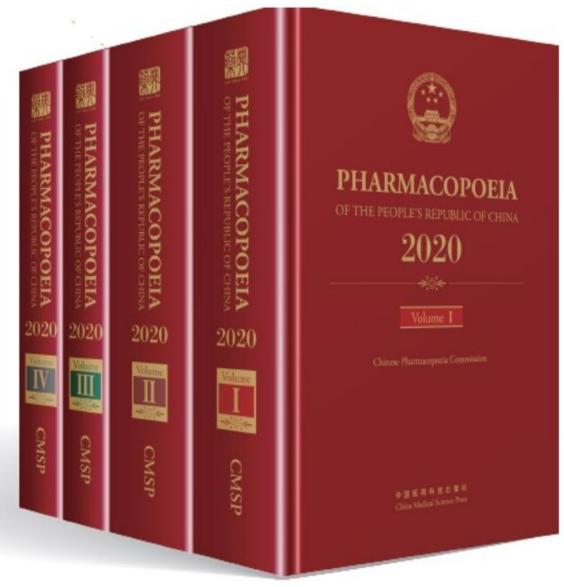
Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai Approved by Pharmacy Council of India, New Delhi.

Coimbatore -641035

COURSE NAME: PHARMACEUTICS I

(BP 103 T) I YEAR / I SEM

TOPIC: PHARMACOPOEIA



MIND MAP



Global Pharmacopoeia **Definition ad Purpose** Indian Pharmacopoeia (IP) Official book issued by government autohorities British Pharmacopoia (BP) Contains pharmaceutical US Pharmacopoeia (USP) substances, formulations and descriptions, quality Monographs standards for medicines What is a Monograph? Detailed information on drug and its dosage form Includes analysis and ifientification methods Global **Key Components** Pharmacopoeia **Standards** Pharmacopoeia: Chemical name and Standards and Types formula Solubility and Importance of identification tests Pharmacopoeia pH & loss on drying **Standards** Assay methods 2 Quality Control Dosage specifications Ensures uniforrmity and **Importance** consistency in drug quality of Pharmacopeia **Standards** Safety Assurance Quality Control Prevents adulteration and protects patient sa Safety Assurance Reference Standard Reference Standard Provides complete drug Provides complete drug information to acachemia, information to academia, industries and labs industries and labs



What is a Pharmacopoeia?

Definition

From Greek
'Pharmakon'
(drug) and
'Poiea' (to make).
issued by
government
authorities.

Purpose

Contains
pharmaceutical
substances,
formulae, and
quality standards
for medicines.

Digital Health

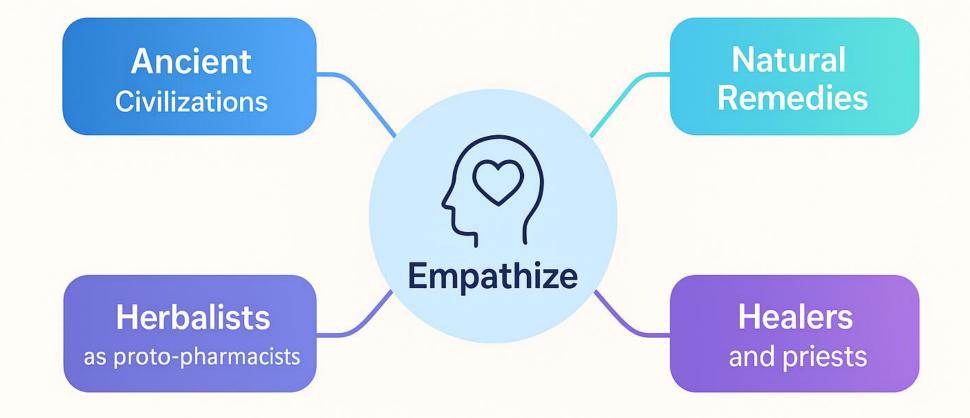
Technology integration in pharmacy practice, and education

Legal Status

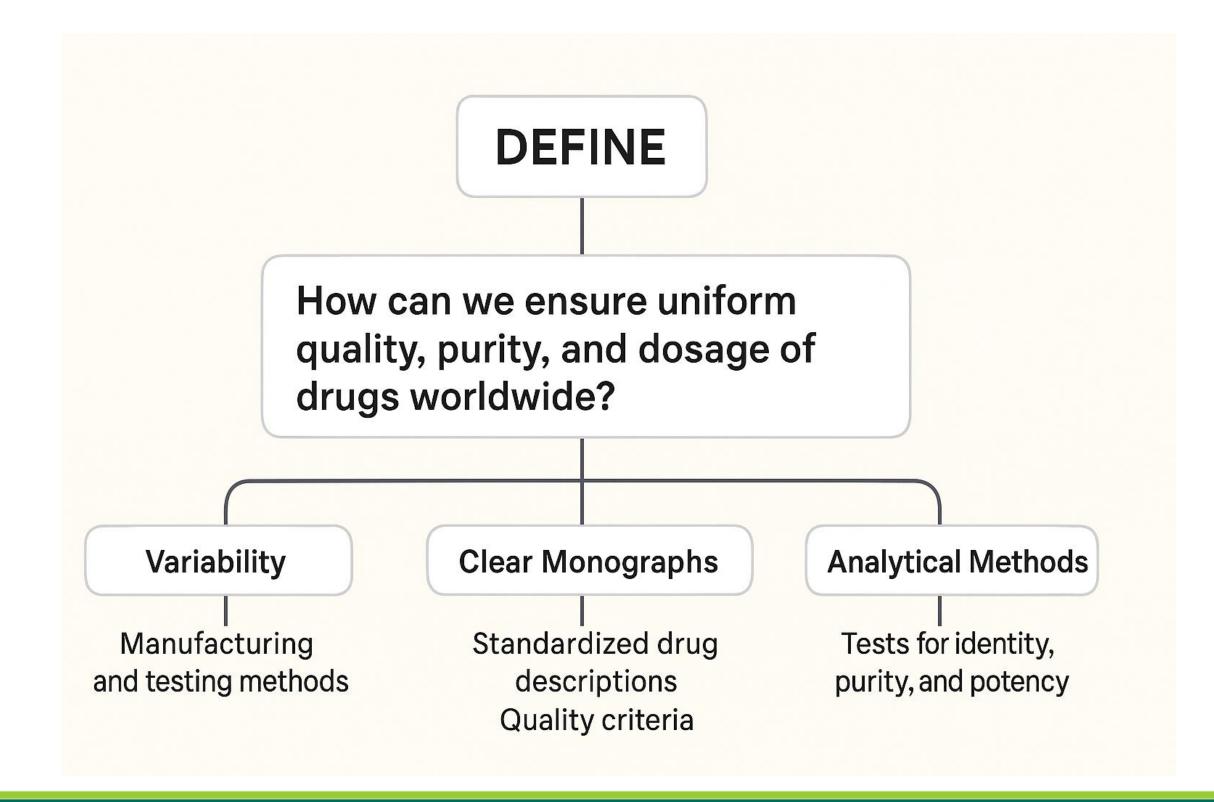
Expanded roles in public health and community wellness programs



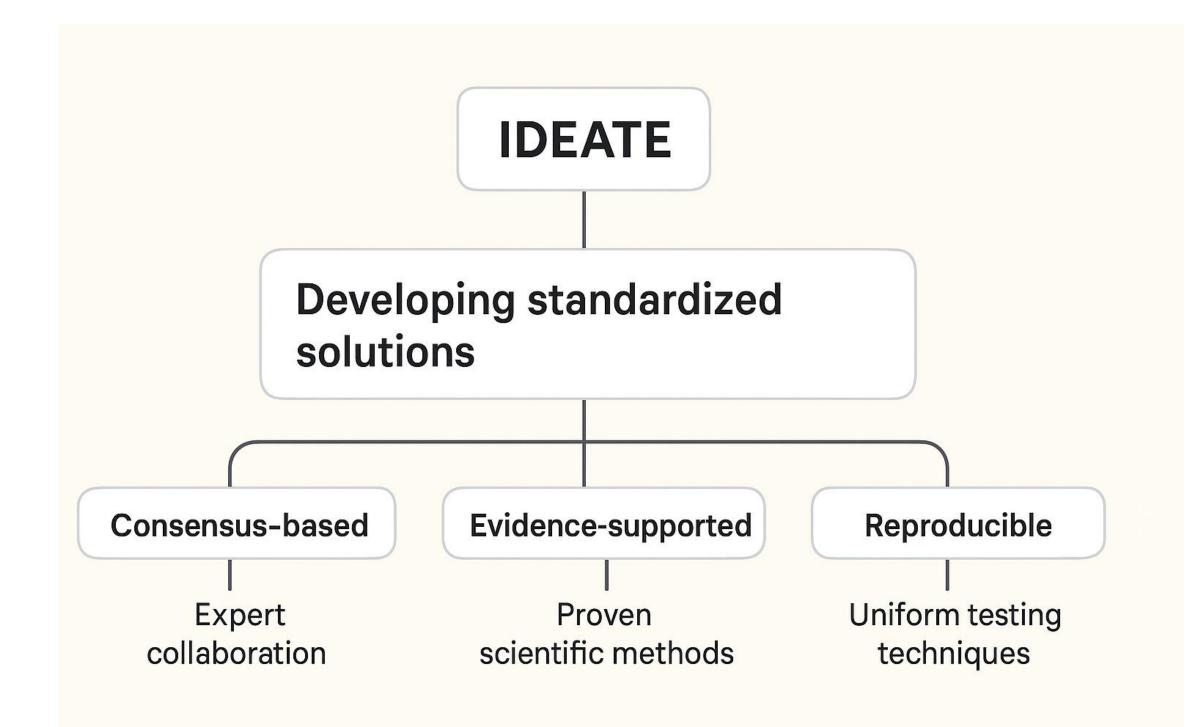
Empathize - Origins of Healing & Natural Remedies



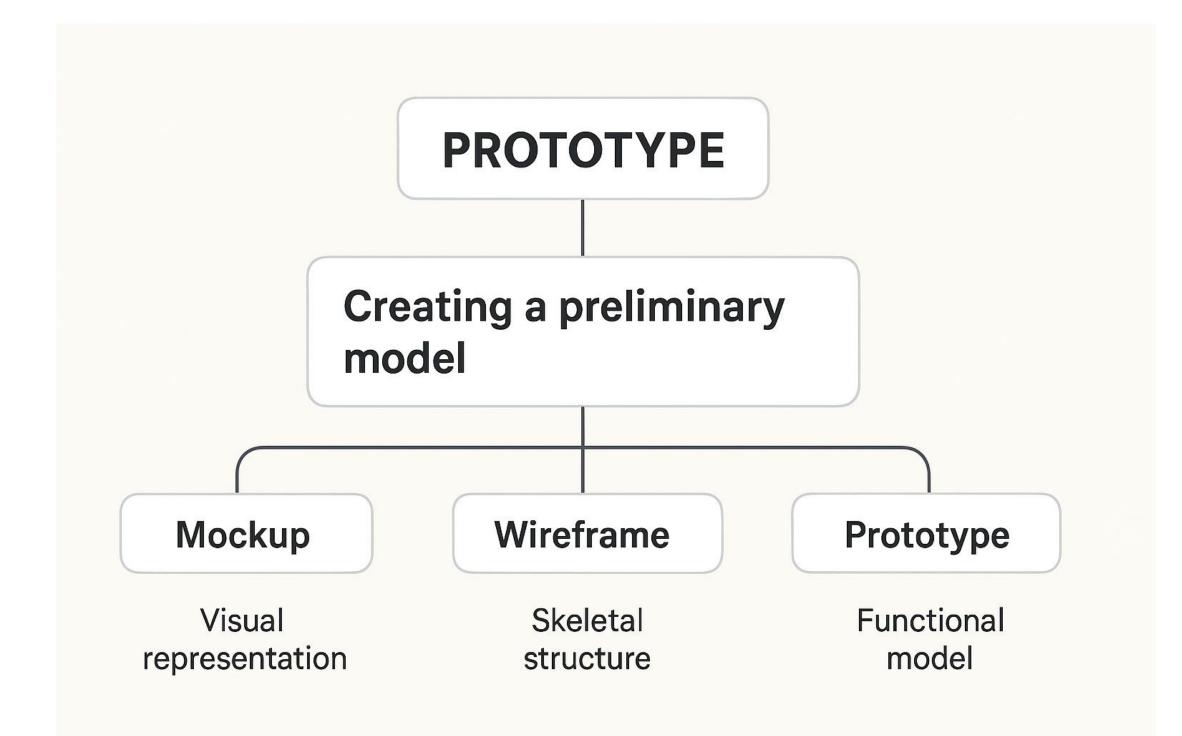




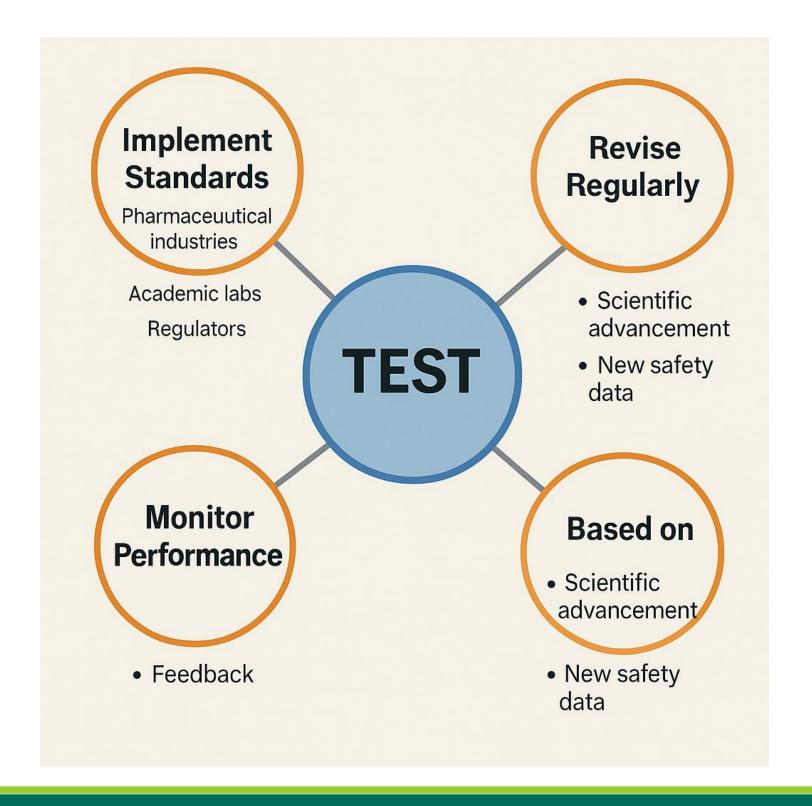












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The pharmacopoeeia contain-

List of drug and other related substances

Sources

Description

Tests

Formulas for preparation actions

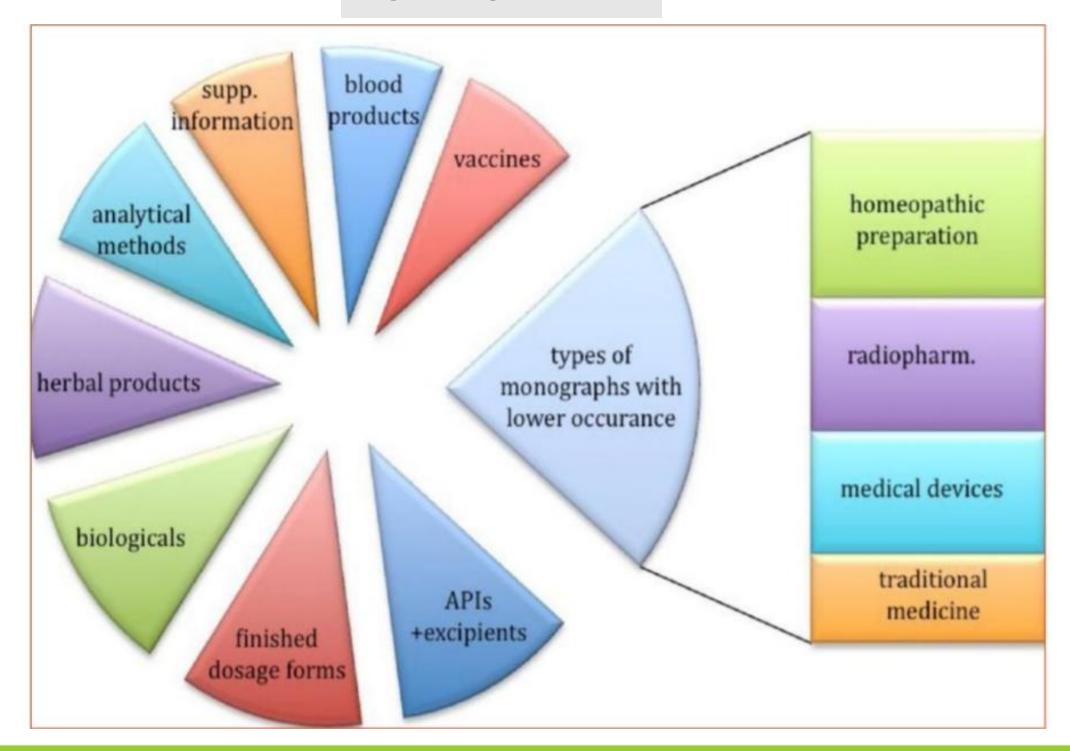
Uses

Storage conditions

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COMPONENTS







Indian Pharmacopoeia Global Pharmacopoeia Standards Revise Regularly

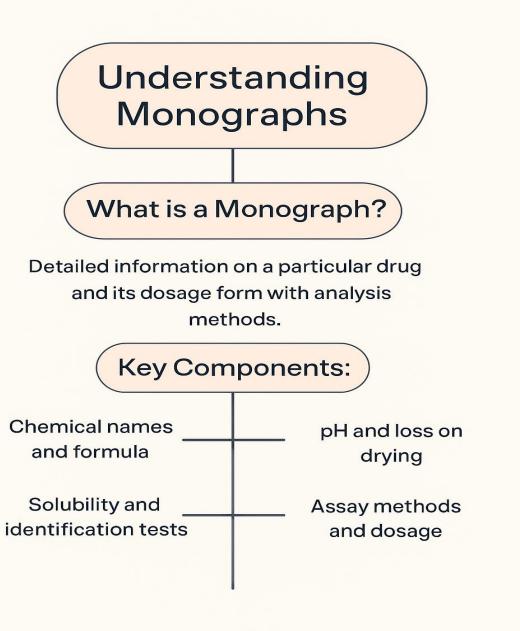
US Pharmacopoeia (USP)

Official standard for USA, merged with National Formulary in 1975. British
Pharmacopooeia
(BP)

National standard for United Kingdom, first published in 1864.

- European Pharmacopoeia
- Harmonized standards across European Union member countries.





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IP Editions Overview

1st Edition

Year 1917

Volumes One

Chairman Dr. B.N. Ghosh

Key Features 986 monogra7th Edition

Year 2014

Volumas Four

Chairman Ghulam Nabi Azad

Anticancer drugs added

9th Edition

Year 2022

Volumes Four

Chairman Dr. Mansukh Mandaviya

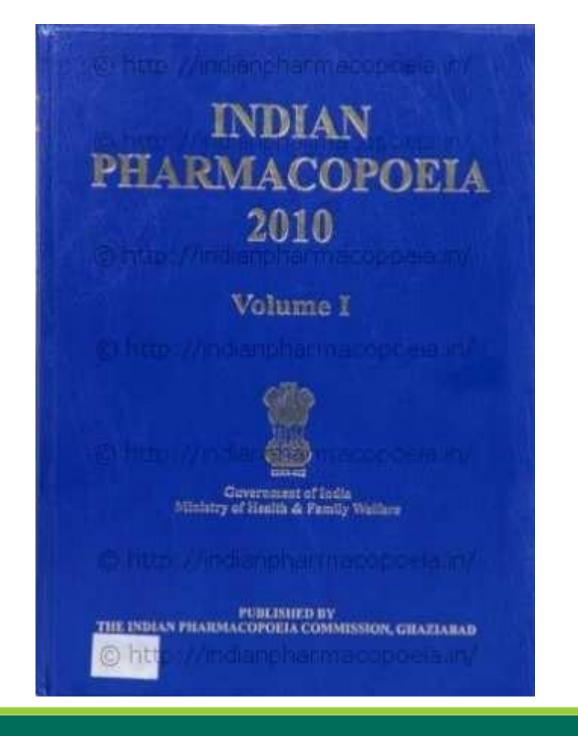
3,152 monographs

INDIAN PHARMACOPOEIA 1996 Volume I (A - O)

Indian Pharmacopoeia









Drug Standards

Provides specifications for the quality and purity of medicines

Legal Status

Officially recognized compendium in the Unitied Kingdom

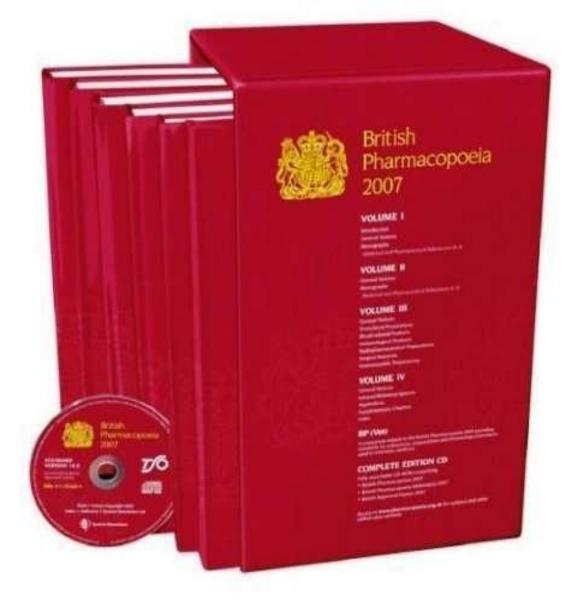
British Pharmacopoeia

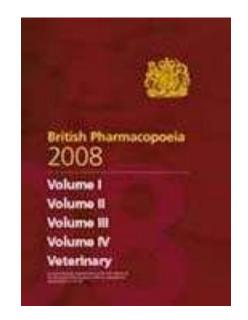
Monographs

Includes detailed informantion and standards for drug substances and products

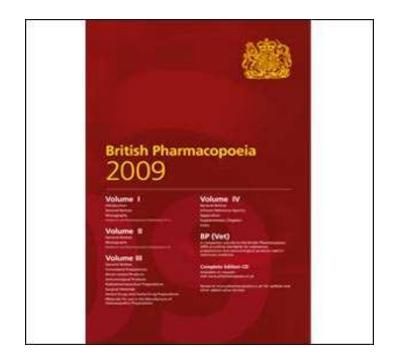
Updates

Regularly revised to reflect new scientific and regulatory developments









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EDQM

Published by the European Directorate for the Quality of Medicines & HealthCare

Harmonization

Establishes uniform sfor standards for medicines across Europe

European Pharmacopoeia

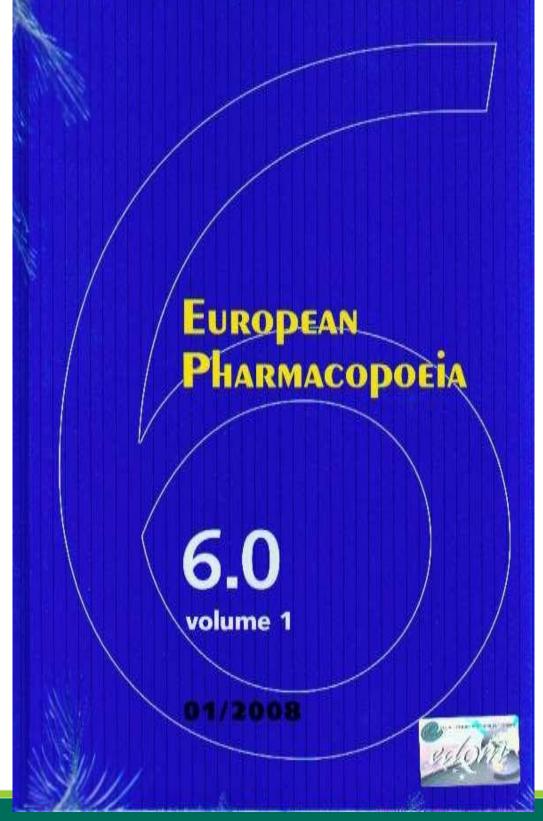
Human Health

Aims to ensure the safety and efficacy of medicines

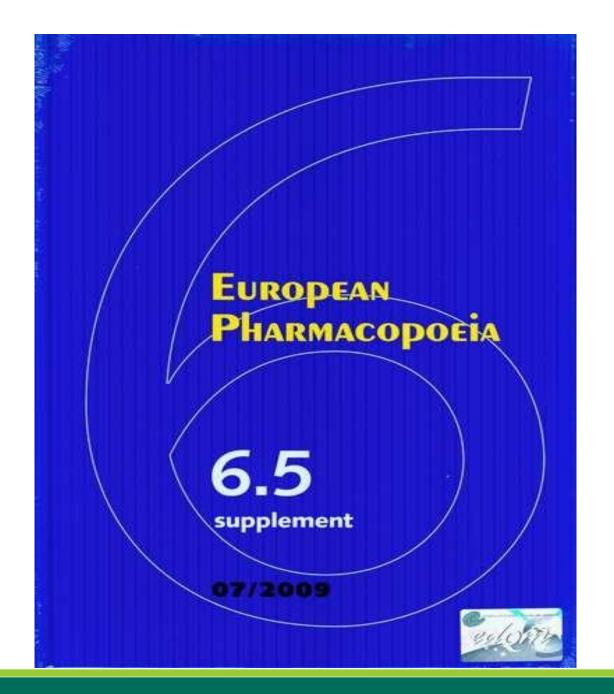
Legal Framework

Provides a basis for laws and regulations on pharmaceutical quality

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Importance of Pharmacopoeia Standards

Quality Control

Maintains uniformity and controls standards of drugs in the market.

Safety Assurance

Prevents drug adulteration and ensures patient safety.

Reference Standard

Provides complete drug information for academic institutions, industries, and laboratories.

Global Harmonization

Facilitates international trade and rgulatory acceptance of pharmaceutical products.



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Which of the following best defines a pharmacopoeia?

- a) A list of banned drugs
- b) An official book containing drug standards and formulations
- c) A patient information leaflet d) A textbook of pharmacology

Which is the official pharmacopoeia of India?

- a) British Pharmacopoeia b) United States Pharmacopoeia
- c) Indian Pharmacopoeia d) International Pharmacopoeia

Who publishes the Indian Pharmacopoeia?

- a) Central Drugs Standard Control Organization (CDSCO)
- b) Indian Pharmacopoeia Commission (IPC) c) Ministry of AYUSH d) WHO

What is the main purpose of a pharmacopoeia?

- a) To promote drug sales
- b) To provide official standards for drug quality, purity, and strength
- c) To describe adverse drug reactions d) To classify drugs based on therapeutic use

Which of the following is *not* a recognized international pharmacopoeia?

a) European Pharmacopoeia b) Japanese Pharmacopoeia c) United States Pharmacopoeia d) Asian Herbal Directory

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