

# HISTORY OF PHARMACY AND DEONTOLOGY

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# PHARMACOPEIAS

# What is Codex?

- **Codex** is a formal book which is collection of nationally recognized standards, codes of practice, guidelines, and other recommendations relating to pharmaceuticals.
- in the other words → ***Pharmacopeia*** (Law of Pharmacy)

# What is Pharmacopeia?

- A book published usually under the jurisdiction of the government and containing a list of drugs, their formulas, methods for making medicinal preparations, requirements and tests for their strength and purity, and other related information.
- Sumerians → Grafazin,
- Ancient Greeks → Graphadion,
- Araps → Krafazin,
- Turks → Krabadin or Akrabadin.

# Turkish Language Institution defined Pharmacopeia as;

*«official books which contains qualitative and quantitative analysis methods of active substances and excipients used in the manufacture of pharmaceuticals and legal and scientific national and international rules and procedures that must be followed»*



# Ottoman Military Pharmacopoeia

- Turkey's first printed codex - **1844**
- was prepared by *Dr. Charles Ambroise Bernard*
- has 164 pages and the text portion is in Latin and French
- photos of drugs used in treatments as well as information about used parts of plants were given
- the names of drugs were listed in alphabetical order in Turkish, French, Italian and Latin

# Ottoman Military Pharmacopoeia

- This Codex consisted of four parts in general;
  - *Simple medications*
  - *Prepared and compounded medications*
  - *Formulary for military hospital's usage*
  - *Tables*

# Turkish Codex

- After the establishment of Republic, **Turkish Codex Law (No. 767)** was accepted on 03.03.1926.
  - In 1930 → Turkish Codex (605 page)
  - In 1940 → 2nd ed. of Turkish Codex (837 page)
  - In 1948 → 2nd ed. of 1940 Turkish Codex
  - In 1974 → Turkish Pharmacopeia



# Pharmacy Associations

# Associations established by Pharmacists in Ottoman Period

-  **Societe de Pharmacie de Constantinople** (Cemiyet-i Eczacıyan der Asitane-i Aliye) (Istanbul Pharmacists Association) – 1864
-  **Association des Pharmaciens Etrangers** (Foreign Pharmacists Association) – 1907
-  **Osmanlı Eczacı İttihad Cemiyeti** (Union Pharmaceutique Ottomane) – 1908
-  **Societe des Pharmaciens de l'Empire Ottoman** (Ottoman Empire Pharmacists Association) – 1909
-  **Farmakeftiki Enosis Smirneon** (İzmir Pharmacists Association) – 1909
-  **Dersaadet Ecza Tüccaranı Cemiyeti** (Association des Droguistes de Constantinople) – 1921

# Societe de Pharmacie de Constantinople (Istanbul Pharmacists Association)

- Founder → Pharm. Della Suda - 1864
- The big amount of the members were foreign pharmacists
- Publication of this association → Journal de la Societe de Pharmacie de Constantinople – 1879



# Osmanlı Eczacı İttihad Cemiyeti (Union Pharmaceutique Ottomane)

- Founder → Mr. Hamdi, Ethem Pertev, Mr. Beşir Kemal and with 250 pharmacists– 1908
- Publications of this association → **Revue Medico-Pharmaceutique** (by Pierre Apery) and **Pharmacist Journal** (by Pharm. Mr Nail Halit - 1911)

# Societe des Pharmaciens de l'Empire Ottoman (Ottoman Empire Pharmacists Association)

- Founder → Pierre Apery – 1909



# Farmakeftiki Enosis Smirneon (İzmir Pharmacists Association)

- Founder → Greek pharmacists Izmir – 1909
- Closed in 1922.



# Dersaadet Ecza Tüccaranı Cemiyeti (Devlet-i Osmaniye Eczacıları Cemiyeti)

- Founder → Pharmacists from Istanbul – 1921
- In 1923 → Turkey Pharmacists Association
  - Head of the association was Pharm. Ethem Pertev
- In 1928 → Istanbul Pharmacists Assoc.
- In 1923 → Turkey Pharmacists Assoc.



# Pharmacists Associations Established in Republic Period

- **Turkey Pharmacists Assoc.:** by the old members of Devlet-i Osmaniye Eczacıları Cemiyeti – 1924
- **Istanbul Pharmacists Assoc.**
- **Turkey Pharmacolog Assoc.**
- **Turkey Pharmacists Relief Society:** by Remzi Kocaer - 1950
- **Turkey Medical Implements Industry and Laboratories Assoc.:** 1951
- **Medical Implements' Importers' Assoc.:** 1951

- **Turkey Pharmaceutical Warehouse Assoc.:** by the owners of pharmaceutical warehouses – 1953
- **Turkey Owner of Pharmacy Assoc.:** by the pharmacists who were owners of pharmacies – 1954
- **Turkish Pharmacists Assoc.:** by the Law No: 6643 in 1956 TPA and pharmacists chambers were established. All the pharmacists in Turkey are bound to this union.
- **Pharmaceutical Sciences Ankara Assoc.**

# Pharmacy Journals

# Before the Republic

- Journal de la Societe de Pharmacie de Constantinople – 1879
- Revue Medico-Pharmaceutique – 1888
- Bulletin de la Societe de Pharmacie de Constantinople – 1893
- Pharmacy Journal - 1911
- Young Chemist – 1911
- Musavver Eczacılık Nevsali - 1912

# After the Republic

- Young Pharmacist – 1923
- Pharmacy Journal – 1926
- Tababet Alemi – 1927
- Turkish Pharmacist World - 1927
- Pharmacolog – 1954
- Folia Pharmaceutica – 1949
- Pharmacy World – 1951
- Modern Treatment Journal – 1951
- Specialite – 1951
- Eczacılık Kütüphanesi Neşriyatı - 1951



- **Pharmacist Bultein- 1954**
- **Health World - 1955**
- **Doctor and Medicine – 1955**
- **The Journal of Turkish Pharmacists Assoc. – 1958**
- **Dosage – 1959**
- **Tıp ve Eczacılık Neşriyatı – 1962**
- **Pharmacia - 1964**
- **Bülten Medika - 1964**
- **Istanbul Uni. Faculty of Pharmacy Journal - 1965**

- **FABAD Bultein – 1966**
- **A. U. Pharmacy Faculty Journal – 1971**
- **Havan – 1979**
- **Ankara Pharmacist Chamber Bultein – 1979**
- **H. U. Pharmacy Faculty Journal – 1981**
- **Acta Pharmaceutica Turcica**
- **G. U. Pharmacy Faculty Journal**