



## Education in Pharmaceutical Sciences in India

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The field of pharmacy or pharmaceutical Sciences may not be the satisfying for the aspirants of medical degree courses but in real sense the field of pharmaceutical sciences is the backbone of any pathy or any treatment. Pharmaceutical sciences have emerged as a collaborative field to medical sciences from the early days. In India Pharmaceutical Sciences is really the toddler falling and again standing up to make up an effort to establish its presence in vast plethora of sciences of all types.

In India, Pharmaceutical Sciences mainly comprises of four basic specializations such as Pharmaceutics dealing with manufacture, compounding and dispensing of medicines or drugs. Pharmaceutical Chemistry dealing with chemistry of Pharmaceuticals, its synthesis and manufacturing. Further, Medicinal Chemistry specialization dealing with medicinal aspects of chemistry or the chemistry of medicines, their, modification and how do they can be more effective while changing or preserving their chemical structure and therapeutic effects of the same. Pharmacognosy dealing with the pharmaceutical aspects of natural products and chemistry of constituents and therapeutics. Pharmacology Specialization dealing with core therapeutics both clinical and pre-clinical.

Pharmacy education and specializations in other developed countries has crossed the traditional boundaries as compared to India where only traditional specialization running over generations is prevailing without any advancement. For instance many universities in Western developed world run specializations open for the Pharmacy graduates such Pharmaceutical Biology, Clinical Genetics, Pharmacogenomics, Pharmacoepigenetics, etc.

Pharmacy profession and Pharmaceutical Sciences is still developing in India as compared to the other countries where the pharmacist is key decision maker over choice of administration

of medicines, Pharmacist in India is still looking for this autonomous status as major Health care provider. There may be number of reasons that may not be discussed here over this platform, but still the Pharmacy education providers and students of Pharmacy education have just a commercial give and take sort of relationship. This has ruined the education system in Pharmacy education, by qualifying the undeserving and ruining the system of education over past years. To count for the education system in Pharmacy the noble profession is not noble anymore in India and neither the Educators nor the graduates. The reason to quote here being, 80% of the pharmacy education providers cater the needs of the students from providing notes till qualifying undeserving ones in examinations. The system has started over making huge profits over the business of education especially in pharmacy education. This medicine is now in the market which is substandard, adulterated and also far from the therapeutic efficacy, efficiency and potency. It is really shameful that the policy makers also indulge in such practices and regulate and grade the institutions based upon how they cater the need of the students rather than on an average, what quality of students the institutions cater. The Educators are not an exception, neither they have quality for what they teach nor they are interested in how student prospers in terms of knowledge useful for the profession. The Educators mainly concentrate on the staff who shall be teaching Exam oriented, writing notes and passing (deliberately qualifying) the grades of the students. He should be philanthropist in terms of grades and to the students. If found strict he shall have no place in Indian Pharmacy Education.

Moreover the Institutions have problems with the regular salary payments and unknowingly and compelling the Educators to lose the aesthetics of education.

Well!! This was a harsh scenario of Pharmacy Education in India. Hope they do realise that every student shall serve the society one or other day and ultimately he or she benefits the nation like India. Other countries had realized these centuries ago and Pharmacy Profession there is still Gold standard carrier option.

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