

**Faculty of Pharmaceutical Sciences
University of Nigeria, Nsukka.**

1. **Full Name of Department:** Pharmaceutical Technology & Industrial Pharmacy

2. **Philosophy**

There is the expanding need and demand for pharmacists who are adequately trained and equipped to respond to the existing and evolving new challenges and opportunities in the science and technology of dosage forms formulation, evaluation and storage. The master of pharmacy (M.Pharm) is designed to provide training in existing and emerging technologies in the science and technology of dosage forms, their formulation, evaluation, storage and their application in patients care in rapidly changing healthcare environment. It provides opportunities to integrate dosage forms development and formulation with the pharmaceutical care practice model, and research in local and global settings.

The Doctor of Philosophy programme in Pharmaceutical Technology and Industrial Pharmacy is designed to provide training in the theory and practice of all aspects of pharmaceutical Technology and Industrial Pharmacy and to equip entrants with creative thinking and research capabilities.

3. **Departmental Logo**

4. **Brief History of the Department**

Department of Pharmaceutical Technology and Industrial Pharmacy is one of the six departments that make up the Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka. The department handles courses in unit operations disperse systems, parental dosage forms, various drug delivery science and technology, pharmaceutical raw materials development, biopharmaceutics and pharmacokinetics and drug testing and evaluations. Our research areas include: Tablet and powder technology, novel drug delivery systems (sustained release, colon targeted drug delivery systems, development and functionality testing of pharmaceutical excipients, nanotechnology and pharmaceutical aerosols etc). The department is committed to developing students capable of critical thinking, life-long learning, and ethical decision making. As a very vital component of the Faculty of Pharmaceutical Sciences, the department is committed to training students who would be competent managers and operators in the pharmaceutical industry and students who possess the ability to care for their patients in a professional and comprehensive manner. In doing so, the department aims to develop honest, devoted pharmacists who strive to make a difference in the industrial, in the hospital, in the community that they serve and in the lives of patients

The Department of pharmaceutical Technology and Industrial Pharmacy has a total of thirteen academic staff of ranks ranging from Assistant Lecturer to Professor. The staff are distributed as follows: Four Professors, two Senior Lecturers and six Lecturer IIs and an Assistant Lecturer. Staff possess varied backgrounds that operate in team manner to provide comprehensive services to staff and students.

5. Approved Postgraduate Programme/Date

M.Pharm and Ph.D

6. Academic Staff of the Department with their Qualifications

S/No	Name	Qualifications	Fellowship of Academic	Awarding Body
1.	Professor S.I. Ofoefule	M.Pharm, Ph.D (Nig)	MPSN, MIPAN, FIIA	
2.	Professor A. Chukwu	M.Pharm Ph.D (Nig)	MPSN, FPC Pharm	
3.	Professor G. C. Onunkwo	B.Pharm, M.Pharm. Ph.D. (Nig)	MPSN, MIPAN	
4.	Professor J.O. Onyechi	B.Pharm M.Pharm Ph.D (Nig)	MPSN	
5.	Dr. I. V. Onyishi	B. Pharm., M.Pharm, Ph.D. (Nig)	MPSN	
6.	Dr. N. C. Obitte	B.Pharm, M.Pharm, Ph.D (Nig)	MPSN	
7.	Dr. C. O. Agubata	B.Pharm, M.Pharm, Ph.D,	MPSN	
8.	Dr. C.C. Mbah	B.Pharm, M.Pharm Ph.D	MPSN	
9.	Pharm O.N.C. Umeh	B.Pharm, M. Pharm	MPSN	
10.	Pharm S.A. Chime	B.Pharm, M.Pharm	MPSN	
11.	Pharm C. E. Ugwu	B.Pharm, M.Pharm	MPSN	
12.	Pharm J. I. Ogbonna	B.Pharm M.Pharm	MPSN, FPC Pharm	
13.	Pharm U. Nwajie	B.Pharm	MPSN	

7. Postgraduate Experience

(a) M.Pharm & Ph.D Graduated Since Inception

S/No	Name	Reg. No.	Department	Degree Awarded	Effective Date of Award
1.	Ofoefule Sabinus I	PG/Ph.D/	Pharm. Tech. & Ind. Pharmacy	Ph.D	
2.	Chukwu Amarauche	PG/Ph.D/	“	Ph.D	

3.	Onyechi Jacob O.	PG/Ph.D/	“	Ph.D	
4.	Chukwu Kingsly I.	PG/Ph.D/	“	Ph.D	
5.	Ali A.S. A.	PG/Ph.D/	“	Ph.D	
6.	Onunkwo G. C.	PG/Ph.D/	“	Ph.D	
7.	Okoy Ifeanyi Eric	PG/Ph.D/95/21654	“	Ph.D	
8.	Onyishi Ikechukwu V.	PG/PhD/99/26890	“	Ph.D	
9.	Obitte N.C.	PG/Ph.D/04/39348	“	Ph.D	
10.	Emeje Martins O.	PG/Ph.D/06/41662	“	Ph.D	
11.	Alfa John	PG/Ph.D/95/21862	“	Ph.D	
12.	Okafor Ignatius S.	PG/Ph.D/91/12421	“	Ph.D	
13.	Okorie Ogbonna	PG/Ph.D/00/28313	“	Ph.D	
14.	Agubata C.O.	PG/Ph.D/10/52413	“	Ph.D	
15.	Clement Jackson L.	PG/Ph.D/11/59509	“	Ph.D	
16.	Ugoeze K.C.	PG/Ph.D/03/34753	“	Ph.D	
17.	Osonwa Uduma	PG/Ph.D/05/39655	“	Ph.D	

S/No	Name	Reg. No.	Department	Degree Awarded	Effective Date of Award
1.	Ofoefule S.I.	M.Pharm	Pharm. Tech. & Ind. Pharmacy	M.Pharm	
2.	Chukwu A,	M.Pharm	“	M.Pharm	
3.	Onyechi J.O.	M.Pharm	“	M.Pharm	
4.	Onunkwo G.C.	M.Pharm	“	M.Pharm	
5.	Okoye Ifeanyi Okoye	M.Pharm	“	M.Pharm	
6.	Okafor Ignatius	M.Pharm	“	M.Pharm	
7.	Alfa John	M.Pharm	“	M.Pharm	
8.	Uba Gabriel	M.Pharm	“	M.Pharm	
9.	Chukwu K.I.	M.Pharm	“	M.Pharm	
10.	Bio	M.Pharm	“	M.Pharm	
11.	Onochie Nwosu	M.Pharm	“	M.Pharm	
12.	Uzuakponwu	M.Pharm	“	M.Pharm	
13.	Megwa Stella	M.Pharm	“	M.Pharm	
14.	Onochie Nwosu	M.Pharm	“	M.Pharm	
15.	Megwa Stella	M.Pharm	“	M.Pharm	
16.	Okorie Ogbonna	PG/M.Pharm/91/12812	“	M.Pharm	
17.	Ikpe-Ibenekwu I.	PG/M.Pharm/95/21465	“	M.Pharm	
18.	Agubata C.O.	PG/M.Pharm/04/35558	“	M.Pharm	
19.	Okorie James E.	PG/M.Pharm/06/41043	“	M.Pharm	
20.	Onughu Ogochukwu N.	PG/M.Pharm/07/43809	“	M.Pharm	
21.	Onyia Salome A.	PG/M.Pharm/08/48842	“	M.Pharm	
22.	Ogbonna Josephat I.	PG/M.Pharm/06/40857	“	M.Pharm	
23.	Uba G.C.	PG/M.Pharm/89/8529	“	M.Pharm	
24.	Emeje Martins O.	PG/M.Pharm/02/33124	“	M.Pharm	
25.	Aneke C.M.	PG/M.Pharm/03/34114	“	M.Pharm	
26.	Edoga Emmanuel Eddy	PG/M.Pharm/03/34144	“	M.Pharm	

27.	Okafor Sinodukoo E.	PG/M.Pharm/06/41937	“	M.Pharm	
28.	Jackson Clment Linus	PG/M,Pharm/06/41174	“	M.Pharm	
29.	Omatta Samson A.	PG/M.Pharm/08/48649	“	M.Pharm	
30.	Nwoko Valintine E.	PG/M.Pharm/11/59511	“	M.Pharm	
31.	Ugwu Calista E.	PG/M.Pharm/11/59496	“	M.Pharm	
32.	Abali Sunday O.	PG/M.Pharm/12/63568	“	M.Pharm	
33.	Ezichie Nnaji L.	PG/M.Pharm/13/64780	“	M.Pharm	
34.	Ugorji Onyinyechi L.	PG/M.Pharm/13/66122	“	M.Pharm	
35.	Mbah Polycap	PG/M.Pharm/89/8528	“	M.Pharm	
36.	Nnamani Ifeoma O.	PG/M.Pharm/95/21465	“	M.Pharm	
37.	Oko Micheal Agha Udeh	PG/M.Pharm/99/26528	“	M.Pharm	
38.	Ijeamaka Patricia.	PG/M.Pharm/00/28265	“	M.Pharm	
39.	Ohwoauworhuo Frank	PG/M.Pharm/00/28151	“	M.Pharm	
40.	Obinwa Godwin C.	PG/M,Pharm/03/34162	“	M.Pharm	
41.	Ike Unor U.O.	PG/M.Pharm/02/32942	“	M.Pharm	
42.	Nwachukwu Nkemakolam	PG/M.Pharm/08/50031	“	M.Pharm	

(b) **List of Approved Postgraduate Supervisors**

M.Pharm

Supervisor	Area of Specialization	Approved Programme
Professor S.I. Ofoefule, B. Pharm M.Pharm, Ph.D (Nig) MPSN, MIPAN, FIIA	Powder and Tablet Technology Drug Delivery Using Polymeric Materials and Drug Targeting, Nanoscience, Bipharmaceutics, Pharmacokinetics, Drug analysis and Phytomedicine. Novel Drug delivery systems, Hot melt Extrusion. Compaction of Pharmaceutical Powders, excipient development and functionality testing. Pharmaceutical Equipment Fabrication and evaluations.	M.Pharm & Ph.D
Professor A. Chukwu, B. Pharm; M. Pharm, Ph.D (Nig) FPC Pharm	Formulation of Pharmaceuticals and Cosmetics. Powders and Tablet Technology; Pharm Equipment and Industrial Pharmacy, Natural Product Formulations and Analysis, Biopharmaceutics and Pharmacokinetics	M.Pharm & Ph.D
Professor G.C. Onunkwo B. Pharm M.Pharm. Ph.D. (Nig) MPSN, MIPAN	Drug Delivery System, herbal formulations and evaluations, lipid based drug delivery systems. Tablet technology and drug quality control. Application of gums and polymeric materials in pharmaceutical formulations	M.Pharm & Ph.D
Professor J.O. Onyechi, B.Pharm M.Pharm Ph.D (Nig) MPSN	Formulation Sciences of Solid Liquid, Semi-solid dosage forms and Aerosol delivery Technology Industrial Pharmacy Practice including Validation processes.	MPharm & Ph.D

Dr. I. V. Onyishi, B. Pharm., M.Pharm, Ph.D. (Nig) MPSN	-Formulation Science and Technology of Dosage forms and their evaluation Excipient development and applications in Lipid drug delivery Micro and nano science Tablet and Technology Development & standardization of Herbal medicines Drug Design, pharmacokinetics and pharmacodynamic of API	M.Pharm
Dr. N.C. Obitte, B.Pharm, M.Pharm, Ph.D (Nig) MPSN	Formulation Science and Technology of dosage forms. Lipid based drug delivery systems Tablet Technology and drug quality control.	M.Pharm
Dr. C.O. Agubata, B.Pharm, M.Pharm, Ph.D, MPSN	Formulation Science and Technology of Dosage forms. Lipid based drug delivery Systems, Tablet Technology and drug Quality Control.	M.Pharm

Ph.D

Supervisor	Areas of Specialization	Approved Programme
Professor S.I. Ofoefule, B. Pharm M.Pharm, Ph.D (Nig) MPSN, MIPAN, FIIA	Powder and Tablet Technology. Drug Delivery Using Polymeric Materials and Drug Targeting, Nanoscience, Biopharmaceutics, Pharmacokinetics, Drug analysis and Phytomedicine. Novel Drug Delivery Systems, Hot melt Extrusion. Compaction of Pharmaceutical Powders, excipient development and functionality testing. Pharmaceutical Equipment Fabrication and evaluations.	M.Pharm & Ph.D
Professor A. Chukwu, B. Pharm; M. Pharm Ph.D (Nig) MPSN, FPC Pharm	Formulation of Pharmaceuticals and Cosmetics. Powder and Tablet Technology; Pharm Equipment and Industrial Pharmacy, Natural Product Formulations and Analysis, Biopharmaceutics & Pharmacokinetics	M.Pharm & Ph.D
Professor G.C. Onunkwo B. Pharm, M.Pharm. Ph.D. (Nig) MPSN, MIPAN	Drug Delivery System, herbal formulations and evaluations, lipid based drug delivery systems. Tablet technology and drug quality control. Application of gums and polymeric materials in pharmaceutical formulations Materials in Pharmaceutical Formulation Phytomedicine	M.Pharm & Ph.D
Professor J.O. Onyechi, B.Pharm M.Pharm Ph.D (Nig) MPSN	Formulation Science of solid liquid, semi-solid dosage forms and aerosol dosage form delivery Technology Industrial Pharmacy Practice including Validation Process	M.Pharm. & Ph.D

8. Statement of Competencies/skills acquirable by the Department

The department of pharmaceutical Technology and Industrial Pharmacy has five general outcomes which are referred to as PTIP competencies. These competency statements include the learning and skill outcomes from the aspects of general pharmacy education that are applicable to pharmaceutical Technology and Industrial Pharmacy, Faculty of Pharmaceutical Sciences runs an interrelated and integrated programme. The five competences are to some extent applicable to the professional pharmacy education. The PTIP five competences expected from our students and postgraduates are:

- (1) Effective verbal and written communication skills.
- (2) Adequate knowledge in the art of drug formulation and compounding.
- (3) Provide pharmaceutical care to individual patients and patients populations.
- (4) Establish the quality of drugs and drug products.
- (5) Demonstrate management skills.

10. Dr. Erick Ifeanyi Okoye, MD/CEO. JUHEL Nig. Ltd.

- (i) Name of Department: Department of Pharmaceutical Technology & Industrial Pharmacy
- (ii) 1st HOD, Professor H. C. Mital
- (iii) Professor O.K Udeala
- (iv) Professor A. Chukwu (Acting/Substantive)
- (v) Professor G.C Onunkwo (Acting/Substantive)
- (vi) Professor S.I Ofoefule (Acting/Substantive)
- (vii) Dr. K.I Chukwu (Acting)
- (viii) Professor J.O. Onyechi (Acting)
- (ix) Dr. I.V Onyishi (Acting)