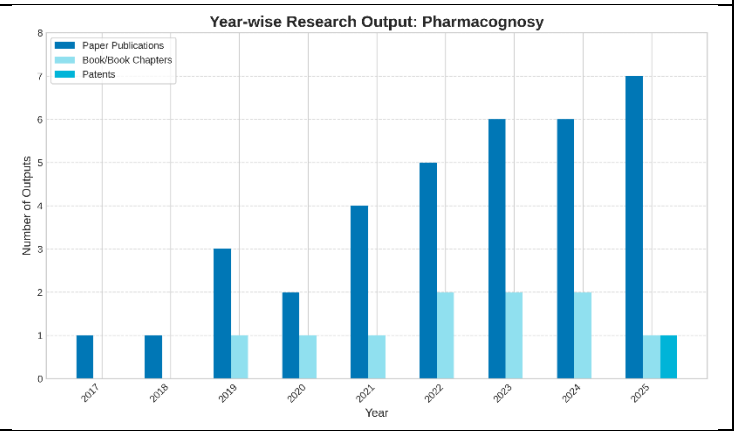
DEPARTMENT OF PHARMACOGNOSY

Metric (*2017 Onwards)	Total	Trend
Paper*	40	
Book/Chapter*	10	
Project*	14	
Patent*	01	
Consultancy		

Article Title (Last Five Years)	Journal name
Aphrodisiac and Spermatogenic Potential of Alkaloidal Fraction of *Argyreia nervosa* (Burm. F.) Bojer Roots in Male Rats	*Natural Product Research*
Application of Quality Risk Assessment and Design of Experiment in Optimizing Chromatographic Method for Estimation of Total Sarsasapogenin from the Roots of *Asparagus racemosus* Wild	*Journal of Natural Remedies*
Application of Ratio Spectra Derivative Method for Simultaneous Estimation of Moxifloxacin Hydrochloride and Loteprednol Etabonate from Ophthalmic Formulation	*Indian Journal of Pharmaceutical Sciences*
Argyreia nervosa (Brum.f.) Bojer. Alleviates Diabetes Mellitus-Induced Male Infertility	*Molecular Biology Reports*
Assessment of Testosterone Biogenesis Enhancement by a Lupeol Derivative Separated from Seeds of *Hygrophila spinosa* T. Ander *In Vitro*	*Journal of Natural Remedies*
Beneficial Effects of Roots of *Argyreia nervosa* (Brum.f.) Bojer on Testosterone Biosynthesis in Testis and Spermatogenesis in Wistar Rats	*Journal of Ethnopharmacology*
Blepharis persica Increases Testosterone Biosynthesis by Modulating star and 3 ß-HSD Expression in Rat Testicular Tissues	*Asian Pacific Journal of Reproduction*
Chromatographic Separation of Saponin Glycosides from Roots of *Asparagus racemosus* (Wild.) Using a Modified Approach	*Separation Science Plus*

Development and Validation of RP-HPLC Method for Simultaneous Estimation of Oxyclozanide and Tetramisole Hydrochloride from Formulation	*INTERNATIONAL JOURNAL OF PHARMACEUTICAL QUALITY ASSURANCE*
Development of Analytical Method for Estimation of Curcumin, Demethoxy Curcumin and Bis Demethoxy Curcumin from Fast Dissolving Tablet Containing Curcuma Extract	*Indian Journal of Pharmaceutical Sciences*
Estimation of Scopoletin from a Polyherbal Formulation Composition Using HPLC Coupled with Fluorescence Detector Through the Concept of Design of Experiment	*Luminescence*
Estimation of Scopoletin from Roots of *Argyreia nervosa* (Burm. Fill.) Bojer Using a Validated HPLC— Fluorescence Method Optimized Using the Design of Experiment Approach	*Journal of AOAC INTERNATIONAL*
Estimation of Shatavarin IV and Sarsasapogenin from the Roots of *Asparagus racemosus* Wild using Validated HPLC-ELSD Method Optimized Using qbd Approach	*Journal of Liquid Chromatography & Related Technologies*
Estimation of Withaferin-a from Ayurveda Formulation "Ashwagandhadi Lehya" Using HPTLC Method	*CHARUSAT JOURNAL*
Intervention of medicinal plants for improving male fertility	*Pharmacophore*
Isolation and Characterization of Flavonoids from Fraction of *Blepharis persica* (Burm. F.) O. Kuntze Upregulated Testosterone Biosynthesis *In Vitro* using TM3 Leydig Cells	*Pharmacogn. Mag.*
Isolation, Characterization and Estimation of Benzoxazinoid Glycoside from Seeds of *Blepharis persica* (Burm.f) O. Kuntze	*Separation Science Plus*
Male Infertility: A Scoping Review of Prevalence, Causes and Treatments	*Asian Pacific Journal of Reproduction*
Quantification of Scopoletin from Roots of *Argyreia Speciosa* (Linn. F) Sweet Using HPLC Through the Concept of Design of Experiment	*Journal of AOAC INTERNATIONAL*
Roflumilast Alleviates Adenine-Induced Chronic Kidney Disease by Regulating Inflammatory Biomarkers	*European Journal of Pharmacology*
Roflumilast Mitigates Cisplatin-Induced Nephrotoxicity by Regulating TNF-a/TNFR1/TNFR2/Fas/Caspase Mediated Apoptosis and Inflammatory Signals	*Journal of Pharmacy and Pharmacology*
Rofumilast Ameliorates Diabetic Nephropathy in Rats Through Down-Regulation of JAK/STAT Signaling Pathway	*Naunyn-Schmiedeberg's Archives of Pharmacology*
Role of Medicinal Plants in Combating Antidepressant Induced Male Infertility	*Current Traditional Medicine*
Spermatogenic Potential of *Chlorophytum borivilianum* Santapau & R.R.Fern. In Rats	*South African Journal of Botany*
Synergistic Effect of Cytochrome P450 Family 3 Subfamily A Member 5 (CYP3A5) Genetic Variants in Tacrolimus Dose Determination in Indian Renal Transplant Patients	*ACS Pharmacology & Translational Science*
Urolithiasis: HPTLC Method for Quantitative Detection of Rutin and Quercetin in an Herbal Plant	*Journal of Natural Remedies*

FOCUSED RESEARCH AREA

- **Phytoconstituent Evaluation**: Isolation, characterization, and screening of various plant extracts and bioactive compounds for their therapeutic potential. (e.g., *Evaluation of selected biological activity of various Phytoconstituents*).
- **Biological Activity Screening**: Studies on plant-derived materials for activities like anti-inflammatory, anti-diabetic, and other pharmacological effects.
- **Traditional Medicine Systems:** Research into the management of various conditions (e.g., Male Infertility) using systems like Ayurveda and herbal remedies.
- **Herbal Standardization**: Developing quality control parameters and standardization techniques for herbal formulations.