Pharmacognosy Internship

Focussed Areas for Interns under Pharmacognosy

1. Medicinal Plant Identification and Classification

1. Systematic classification of new medicinal plant species
2. Identification of bioactive compounds in traditional herbs
3. Phylogenetic analysis of medicinal plants
4. Study of genetic diversity in medicinal plant populations
5. Barcoding medicinal plants for accurate identification
6. Ethnobotanical surveys of indigenous medicinal plants
7. Exploration of endangered medicinal plant species
8. Comparative analysis of medicinal plant species in different regions
9. Classification of medicinal plants based on phytochemical profiles
10. Development of databases for medicinal plant information
11. Mapping geographical distribution of medicinal plants
12. Study of morphological characteristics of medicinal plants
13. Taxonomic revision of a medicinal plant genus
14. Use of molecular markers for medicinal plant identification
15. Comparative genomics of medicinal plant species
16. Integration of traditional knowledge with modern plant classification
17. Evaluation of medicinal plant conservation status
18. Documentation of medicinal plants used in traditional medicine
19. Exploration of potential medicinal plants in unexplored regions
20. Study of ecological interactions of medicinal plants

2. Phytochemical Studies

21. Isolation of bioactive compounds from medicinal plants
22. Phytochemical screening of medicinal plants
23. Quantitative analysis of phytoconstituents in medicinal plants
24. Study of seasonal variations in phytochemical composition
25. Evaluation of antioxidant properties of plant extracts
26. Study of alkaloids in medicinal plants
27. Analysis of flavonoid content in traditional herbs
28. Investigation of saponins in medicinal plants
29. Identification of terpenoids in medicinal plant extracts
30. Comparative analysis of phytochemicals in different plant parts

31. Bioassay-guided isolation of active compounds
32. Structural elucidation of new phytochemicals
33. Study of synergistic effects of phytoconstituents
34. Analysis of secondary metabolites in medicinal plants
35. Evaluation of anti-inflammatory compounds in plants
36. Phytochemical analysis of rare medicinal plants
37. Optimization of extraction methods for phytochemicals
38. Study of bioavailability of plant-derived compounds
39. Assessment of toxicity of phytochemicals
40. Study of antimicrobial properties of plant extracts

3. Pharmacological Evaluation

41. Evaluation of anti-cancer properties of medicinal plants
42. Study of anti-diabetic activity of plant extracts
43. Investigation of neuroprotective effects of phytochemicals
44. Assessment of cardioprotective properties of medicinal plants
45. Evaluation of hepatoprotective activity of plant extracts
46. Study of anti-inflammatory effects of medicinal plants
47. Investigation of analgesic properties of phytoconstituents
48. Evaluation of anti-microbial activity of plant extracts
49. Study of anti-viral properties of medicinal plants
50. Investigation of anti-fungal activity of phytochemicals
51. Assessment of anti-ulcer properties of medicinal plants
52. Evaluation of anti-hypertensive activity of plant extracts
53. Study of immunomodulatory effects of medicinal plants
54. Investigation of anti-obesity properties of phytoconstituents
55. Evaluation of anti-oxidative stress activity of plant extracts
56. Study of wound healing properties of medicinal plants
57. Assessment of anti-aging effects of phytochemicals
58. Investigation of anti-allergic activity of plant extracts
59. Evaluation of anti-depressant properties of medicinal plants
60. Study of anti-anxiety effects of phytoconstituents

4. Traditional Medicine and Ethnopharmacology

61. Documentation of traditional medicinal practices
62. Study of medicinal plants used in traditional healing
63. Comparative analysis of traditional medicine systems
64. Evaluation of efficacy of traditional herbal remedies
65. Investigation of traditional knowledge of medicinal plants
66. Ethnopharmacological studies of indigenous communities
67. Study of traditional medicine formulations
68. Documentation of traditional medicinal plant uses
69. Evaluation of safety of traditional herbal medicines
70. Study of traditional medicine in chronic disease management
71. Investigation of traditional medicinal plant conservation

72. Analysis of traditional medicine preparation methods
73. Evaluation of traditional herbal medicine combinations
74. Study of traditional medicine in mental health treatment
75. Investigation of traditional medicinal plant cultivation
76. Analysis of traditional medicine in pain management
77. Evaluation of traditional herbal medicine in infectious diseases
78. Study of traditional medicine in reproductive health
79. Investigation of traditional medicinal plant sustainability
80. Analysis of traditional medicine in nutritional health

5. Natural Product Drug Discovery

81. Screening natural products for potential drug candidates
82. Study of plant-derived compounds in drug discovery
83. Identification of new natural product-based drugs
84. Evaluation of bioactive natural products for therapeutic use
85. Investigation of marine natural products for drug discovery
86. Study of fungal metabolites in drug discovery
87. Screening microbial natural products for drug potential
88. Evaluation of natural products for anti-cancer drug discovery
89. Study of natural product inhibitors of disease pathways
90. Investigation of synergistic effects of natural products
91. Screening plant extracts for new drug leads
92. Evaluation of natural products for neuroprotective drug discovery
93. Study of natural products in cardiovascular drug discovery
94. Investigation of anti-inflammatory natural product drugs
95. Evaluation of antimicrobial natural product drug candidates
96. Study of anti-diabetic natural product drugs
97. Investigation of natural products in pain management drug discovery
98. Screening natural products for antiviral drug candidates
99. Evaluation of natural products in metabolic disorder drug discovery
100. Study of natural products in immunomodulatory drug discovery

6. Biotechnology Applications in Pharmacognosy

101. Genetic engineering of medicinal plants for enhanced phytochemical production
102. Use of tissue culture in medicinal plant conservation
103. Biotechnological production of plant-derived compounds
104. Development of transgenic plants with medicinal properties
105. Study of metabolic pathways in medicinal plants using biotechnology
106. Application of CRISPR technology in medicinal plant research
107. Use of synthetic biology in natural product synthesis
108. Biotechnological methods for increasing plant metabolite yield
109. Study of plant-microbe interactions in phytochemical production
110. Use of bioreactors for large-scale production of plant compounds
111. Development of plant-based biopharmaceuticals
112. Use of omics technologies in medicinal plant research

113. Biotechnological approaches to improve medicinal plant cultivation
114. Study of epigenetic modifications in medicinal plants
115. Application of proteomics in medicinal plant research
116. Use of metabolomics in the study of plant-derived compounds
117. Biotechnological methods for sustainable production of medicinal plants
118. Study of secondary metabolite biosynthesis pathways
119. Application of genomics in pharmacognosy research
120. Development of biotechnological tools for natural product research

7. Herbal Drug Standardization and Quality Control

121. Development of standardization protocols for herbal drugs
122. Evaluation of quality control parameters for herbal medicines
123. Analysis of adulteration in herbal products
124. Standardization of extraction methods for consistency
125. Use of chromatography techniques in herbal drug standardization
126. Application of spectroscopic methods for herbal drug analysis
127. Quality assessment of raw materials in herbal drug production
128. Evaluation of storage conditions on herbal drug stability
129. Analysis of heavy metal contamination in herbal products
130. Standardization of herbal formulations for clinical use
131. Development of guidelines for herbal drug manufacturing
132. Assessment of microbial contamination in herbal medicines
133. Use of bioassays for herbal drug quality control
134. Regulatory compliance in herbal drug production
135. Study of batch-to-batch consistency in herbal drugs
136. Validation of analytical methods for herbal products
137. Quality control of herbal supplements
138. Standardization of dosage forms in herbal medicine
139. Evaluation of pharmacokinetics in standardized herbal extracts
140. Development of quality assurance protocols for herbal drugs

8. Pharmacognosy and Clinical Trials

141. Design and conduct of clinical trials for herbal medicines
142. Evaluation of safety and efficacy of herbal drugs in clinical settings
143. Study of pharmacokinetics and pharmacodynamics of herbal medicines
144. Clinical trials on herbal treatments for chronic diseases
145. Investigation of herbal medicine interactions with conventional drugs
146. Evaluation of herbal medicine effects in different population groups
147. Study of dosage optimization in herbal clinical trials
148. Assessment of herbal medicine side effects in clinical trials
149. Use of placebo controls in herbal medicine trials
150. Long-term follow-up studies on herbal medicine use
151. Evaluation of herbal medicines for mental health conditions
152. Study of herbal treatments for metabolic disorders in clinical trials
153. Clinical evaluation of herbal anti-inflammatory drugs

154. Study of herbal medicines for infectious diseases in clinical trials
155. Investigation of patient compliance in herbal clinical trials
156. Study of herbal treatments for cancer in clinical settings
157. Evaluation of herbal medicines for pain management in clinical trials
158. Study of traditional medicine formulations in clinical trials
159. Analysis of herbal medicine quality control in clinical trials
160. Study of pharmacovigilance in herbal medicine clinical trials

9. Pharmacognosy and Pharmacology

161. Pharmacological mechanisms of action of herbal medicines
162. Study of receptor interactions of plant-derived compounds
163. Evaluation of dose-response relationships in herbal medicines
164. Study of signal transduction pathways affected by phytochemicals
165. Investigation of herbal drug metabolism in pharmacology
166. Pharmacodynamic studies of medicinal plants
167. Evaluation of therapeutic targets for natural product drugs
168. Study of pharmacokinetic properties of plant-derived compounds
169. Investigation of herb-drug interactions in pharmacology
170. Pharmacological evaluation of traditional herbal remedies
171. Study of enzyme inhibition by plant extracts
172. Investigation of neurotransmitter modulation by phytochemicals
173. Pharmacological studies on plant-derived anti-cancer agents
174. Evaluation of cardiovascular effects of medicinal plants
175. Study of immunomodulatory effects of herbal medicines
176. Pharmacological assessment of anti-inflammatory plant compounds
177. Investigation of phytochemicals in neuroprotection
178. Study of renal protective effects of medicinal plants
179. Evaluation of hepatoprotective properties of plant extracts
180. Pharmacological analysis of anti-diabetic plant compounds

10. Environmental Impact and Sustainability in Pharmacognosy

181. Study of sustainable harvesting of medicinal plants
182. Evaluation of environmental impact of medicinal plant cultivation
183. Conservation strategies for endangered medicinal plants
184. Assessment of climate change effects on medicinal plant populations
185. Study of sustainable agricultural practices for medicinal plants
186. Investigation of soil health in medicinal plant cultivation
187. Evaluation of water use efficiency in medicinal plant farming
188. Study of ecosystem services provided by medicinal plants
189. Investigation of biodiversity in medicinal plant habitats
190. Development of sustainable supply chains for herbal medicines
191. Assessment of ecological impacts of wild harvesting of medicinal plants
192. Study of organic farming methods for medicinal plant production
193. Evaluation of carbon footprint of medicinal plant cultivation
194. Study of habitat restoration for medicinal plant conservation

195. Investigation of sustainable use of medicinal plant resources
196. Evaluation of pollution effects on medicinal plant growth
197. Study of traditional ecological knowledge in medicinal plant conservation
198. Assessment of genetic diversity for sustainable plant breeding
199. Investigation of sustainable practices in herbal medicine industry
200. Development of policies for sustainable use of medicinal plants

Fee Structure

Note 1: Fee mentioned below is per candidate.
Note 2: Fee of any sort is NON REFUNDABLE once paid. Please cross confirm all the details before proceeding to fee payment

2 Days Total Fee: Rs 1800/-
Reg Fee Rs 540/-
5 Days Total Fee: Rs 3360/-
Reg Fee Rs 1008/-
10 Days Total Fee: Rs 3600/-
Reg Fee Rs 1080/-
15 Days Total Fee: Rs 5400/-
Reg Fee Rs 1620/-
20 Days Total Fee: Rs 6360/-
Reg Fee Rs 1908/-
30 Days Total Fee: Rs 8894/-
Reg Fee Rs 2668/-
45 Days Total Fee: Rs 13553/-
Reg Fee Rs 4066/-
2 Months Total Fee: Rs 16800/-
Reg Fee Rs 5040/-

3 Months Total Fee: Rs 25600/-
Reg Fee Rs 5500/-
4 Months Total Fee: Rs 34000/-
Reg Fee Rs 5500/-
5 Months Total Fee: Rs 42800/-
Reg Fee Rs 5500/-
6 Months Total Fee: Rs 51200/-
Reg Fee Rs 5500/-
7 Months Total Fee: Rs 60000/-
Reg Fee Rs 5500/-
8 Months Total Fee: Rs 68400/-
Reg Fee Rs 5500/-
9 Months Total Fee: Rs 76800/-
Reg Fee Rs 5500/-
10 Months Total Fee: Rs 85600/-
Reg Fee Rs 5500/-
11 Months Total Fee: Rs 94000/-
Reg Fee Rs 5500/-
1 Year Total Fee: Rs 102800/-
Reg Fee Rs 5500/-

Please contact +91-9014935156 for fee payments info or EMI options or

Payment via Credit Card or Payment using PDC (Post Dated Cheque).