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The collection of botanical art in the Raw Materials Herbarium and Museum

M. V. Viswanathan, James J. White and H. B. Singh

Abstract

The Raw Materials Herbarium and Museum of the National Institute of Science Communication in New Delhi, India, contains a botanical art collection of over 500 watercolor and ink drawings. An appendix lists these artworks by family. Four of the watercolors are reproduced.

The Raw Materials Herbarium and Museum (RHM) is part of The Wealth of India Division of the Publications & Information Directorate, which recently has been designated as the National Institute of Science Communication (NISCOM) of the Council of Scientific and Industrial Research in New Delhi, India. RHM was set up as an adjunct to the *Wealth of India* project, an eleven-volume encyclopaedia of Indian raw materials, with exhaustive and illustrative information on all aspects of any raw material available in India. Presently the herbarium has over 4,000 species of economic plants, about 2,000 raw-material samples of plant origin, such as roots, seeds, and fruits—all useful to the public for identification and information. The collection is a significant resource for medicinal and aromatic plants. The museum also displays animal and mineral specimens of economic value. The RHM has a photo-library comprising about 3,000 photographs, illustrations and line drawings of plants, animals and minerals for reproduction in various publications and for loans to the public.

The botanical art collection contains over 500 watercolor and ink drawings. Little biographical data is available on the artists. Sushila Vohra is the only artist still employed in the Institute. M. V. Pant has retired; Krishna and

Badhwar are deceased. Raju is no doubt K. Cheluviah Raju, the splendid turn-of-the-century artist of many of the artworks housed in the Lalbagh Botanical Garden in Bangalore. Other artists with a few works in the Raw Materials Herbarium are S. Jayarama Sharma, Ajendra Singh, Mohan Singh, A. K. Goel, and Deedar Singh. Hunt Institute seeks biographical data about each.

The botanical artworks are listed by family in the Appendix. The institutional names under "Artist" indicate the source of original artworks requisitioned by the Raw Materials Herbarium for publication in the *Wealth of India*. "Ink; Watercolor" indicates that there are two artworks for this species, an ink drawing and a watercolor painting. Unfortunately, time and resources did not permit checking the collection for the medium for every artwork. Four of the watercolors are reproduced in this article.

Acknowledgments

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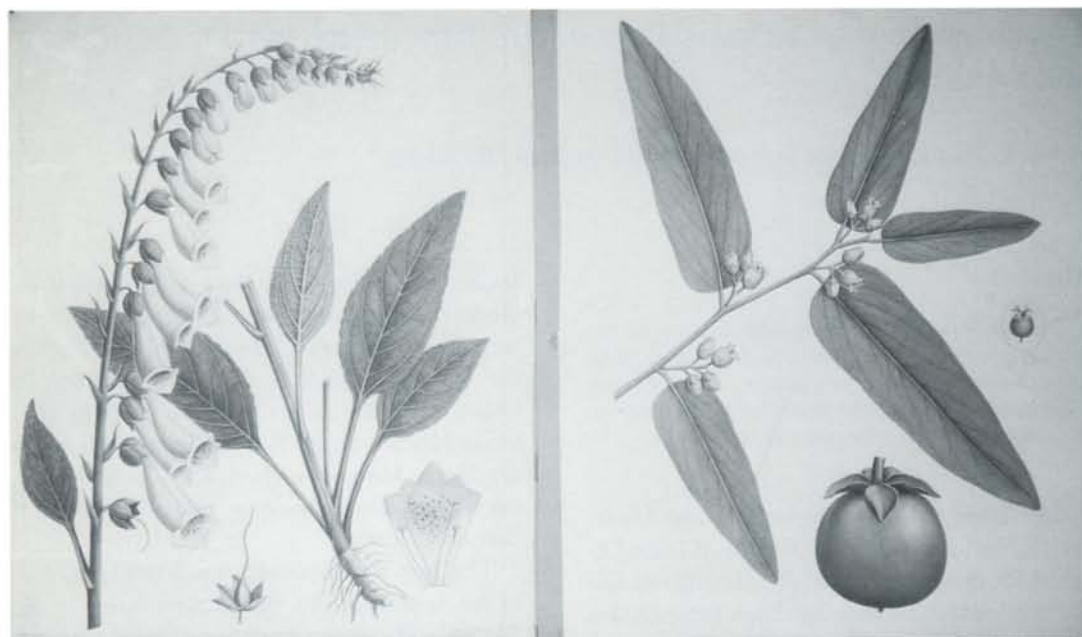


Figure 1. "*Digitalis purpurea*" (left) and "*Diospyros peregrina*" (right).

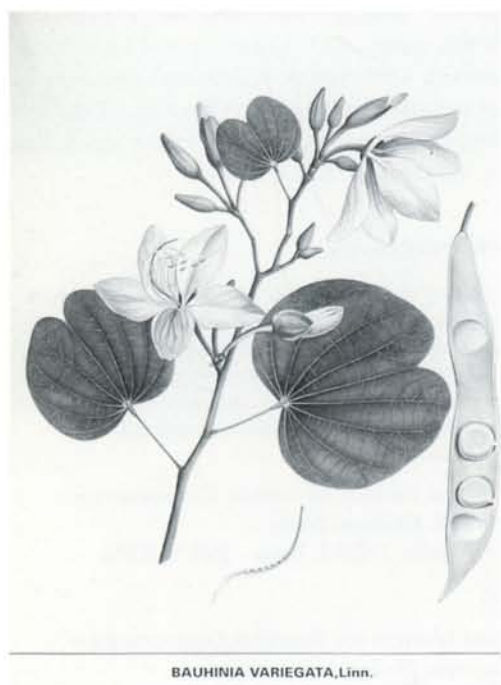


Figure 2. "*Bauhinia variegata*."



Figure 3. "*Berberis lycium*."

Appendix

List of artworks by family in the Raw Materials Herbarium and Museum (RHM)

Family	Taxon	Media	Artist	
Acanthaceae	<i>Adhatoda zeylanica</i>	Ink; Watercolor	K. C. Raju	
	<i>Andrographis paniculata</i>	Ink	Government of Mysore	
	<i>Andrographis paniculata</i>	Ink; Watercolor	K. C. Raju	
	<i>Asteracantha longifolia</i>	Ink	Government of Mysore	
	<i>Barleria cristata</i>	Ink	M.V. Pant	
	<i>Barleria prionitis</i>	Ink	M.V. Pant	
	<i>Ecbolium linucanum</i>	Ink	Lalbagh Botanical Garden, Bangalore	
	<i>Justicia procumbens</i>	Ink	?	
	<i>Phlogacanthus thyrsiflorus</i>	Ink	Lalbagh Botanical Garden, Bangalore	
	<i>Rhinacanthus nasuta</i>	Ink	M.V. Pant	
	<i>Ruellia</i> sp.	Watercolor	K. C. Raju	
	<i>Strobilanthes scaber</i>	Watercolor	K. C. Raju	
	<i>Thumbergia coccinea</i>	Ink	M.V. Pant	
	<i>Thumbergia coccinea</i>	Watercolor	K. C. Raju	
	<i>Acer cassium</i>	Ink	Redrawn from: Brandis, D. 1874. Illustrations of the forest flora of northwest and central India (completed by the late J. Lindsay Stewart; continued and completed by Dietrich Brandis; drawn by Walter Fitch), London.	
	Aizoaceae	<i>Mollugo nudicaulis</i>	Ink	Botany Department, Delhi University
		<i>Trianthema decandra</i>	Ink	M.V. Pant
		<i>Trianthema decandra</i>	Watercolor	K. C. Raju
		<i>Trianthema monogyna</i>	Watercolor	K. C. Raju
<i>Trianthema pentandra</i>		Watercolor	K. C. Raju	
<i>Trianthema portulacastrum</i>		Ink	M.V. Pant	
<i>Limnophyton obtusifolium</i>		Ink	?	
<i>Achyranthes aspera</i>		Ink	M.V. Pant	
<i>Achyranthes aspera</i>		Watercolor	K. C. Raju	
<i>Amaranthus blitum</i>		Ink	Government of Mysore	
Alismataceae	<i>Amaranthus spinosus</i>	Watercolor	K. C. Raju	
	<i>Celostia argentea</i>	Ink	Lalbagh Botanical Garden, Bangalore; redrawn by S. Jayarama Sharma	
	<i>Hypoxis aurea</i>	Ink	Blatter Herbarium, Bombay	

Appendix. Continued

Family	Taxon	Media	Artist
Anacardiaceae	<i>Bachanania lanzan</i>	Ink	M. V. Pant
	<i>Mangifera indica</i>	Watercolor	Lalbagh Botanical Garden, Bangalore
	<i>Rhus sinuata</i>	Ink	M. V. Pant
	<i>Semecarpus anacardium</i>	Ink	M. V. Pant
	<i>Spondias mangifera</i>	Watercolor	Krishna & Badhwar
Annonaceae	<i>Artabotrys odoratissimus</i>	Watercolor	K. C. Raju
	<i>Milusa tomentosa</i>	Ink	?
	<i>Succopetalum tomentosum</i>	Watercolor	Krishna & Badhwar
	<i>Alstonia scholaris</i>	Ink	M. V. Pant
Apocynaceae	<i>Carissa carandas</i>	Ink	S. Jayarama Sharma
	<i>Catharanthus roseus</i>	Watercolor	K. C. Raju
	<i>Vinca pusilla</i>	Watercolor	?
	<i>Wrightia tomentosa</i>	Watercolor	Krishna & Badhwar
	<i>Aponogeton natans</i>	Ink	Redrawn by M. V. Pant from: Subramanyam, K. 1962. Aquatic angiosperms: A systematic account of common Indian aquatic angiosperms. New Delhi.
Aponogetonaceae	<i>Aponogeton</i> sp.	Ink	?
	<i>Aconis calamus</i>	Watercolor	Krishna & Badhwar
	<i>Colocasia esculenta</i>	?	?
	<i>Cryptocoryne retrospiralis</i>	?	?
	<i>Pistia stratiotes</i>	Ink	Lalbagh Botanical Garden, Bangalore
Araliaceae	<i>Panax burkillianus</i>	Ink	?
	<i>Aristolochia indica</i>	Ink	Government of Mysore
Aristolochiaceae	<i>Calotropis procera</i>	Ink	S. Jayarama Sharma
	<i>Cryptostegia grandiflora</i>	Watercolor	Krishna & Badhwar
	<i>Dicalcopsis hamiltonii</i>	Ink	Lalbagh Botanical Garden, Bangalore; redrawn by S. Jayarama Sharma
	<i>Hoya pendula</i>	Ink	Blatter Herbarium, Bombay
	<i>Sarcostemma acidum</i>	Ink	M. V. Pant
Balsaminaceae	<i>Tylophora indica</i>	Watercolor	K. C. Raju
	<i>Hydrocera triflora</i>	Ink	?
	<i>Begonia</i> sp.	Watercolor	?
	<i>Berberis aristata</i>	Ink	Sushila Vohra
Berberidaceae	<i>Berberis lycium</i>	Watercolor	Mohan Singh

Appendix. Continued

Family	Taxon	Media	Artist
Betulaceae	<i>Alnus nitida</i>	Ink	M. V. Pant
Bignoniaceae	<i>Dolichandrone stipulata</i>	?	Lalbagh Botanical Garden, Bangalore; redrawn by S. Jayarama Sharma
	<i>Spathodea xylocarpa</i>	Ink	M. V. Pant
	<i>Stereospermum personatum</i>	Ink	M. V. Pant
	<i>Tecoma stans</i>	Ink	M. V. Pant
Bombacaceae	<i>Salinia malabarica</i>	Watercolor	Krishna & Badhwar
Boraginaceae	<i>Goldenia procumbens</i>	?	?
	<i>Ehretia laevis</i>	Ink	Lalbagh Botanical Garden, Bangalore; redrawn
	<i>Ehretia microphylla</i>	Ink	Lalbagh Botanical Garden, Bangalore; redrawn
	<i>Onosma hispidum</i>	?	M. A. Rau, Botanical Survey of India
	<i>Trichodesma indicum</i>	Ink	M. V. Pant
Cactaceae	<i>Opuntia dillenii</i>	Ink	Lalbagh Botanical Garden, Bangalore
Callitrichaceae	<i>Callitriche stagnalis</i>	Ink	?
Capparidaceae	<i>Capparis horrida</i>	Watercolor	Krishna & Badhwar
	<i>Capparis sepiaria</i>	Ink	?
	<i>Capparis zeylanica</i>	Ink	?
	<i>Gynandropsis gynandra</i>	Ink	Lalbagh Botanical Garden, Bangalore; redrawn
Caryophyllaceae	<i>Saponaria vacaria</i>	Watercolor	Krishna & Badhwar
Celastraceae	<i>Celastrus paniculatus</i>	Ink	Krishna & Badhwar
	<i>Elaeodendron glaucum</i>	Ink	?
	<i>Euonymus hamiltonianus</i>	Ink	?
	<i>Gymnosporia montana</i>	Ink	Lalbagh Botanical Garden, Bangalore; redrawn
Ceratophyllaceae	<i>Ceratophyllum demersum</i>	Ink	?
Clavicipitaceae (Fungi)	<i>Claviceps purpurea</i>	Watercolor	Ajendra Singh
Cochlospermaceae	<i>Cochlospermum religiosum</i>	Ink; Watercolor	Krishna & Badhwar
Combretaceae	<i>Anogeissus latifolia</i>	Watercolor	K. C. Raju
	<i>Anogeissus pendula</i>	Ink	?
	<i>Quisqualis indica</i>	Watercolor	K. C. Raju
	<i>Terminalia bellirica</i>	Ink	M. V. Pant
	<i>Terminalia bellirica</i>	Ink	Deedar Singh

Appendix. Continued

Family	Taxon	Media	Artist
	<i>Terminalia bellirica</i>	Watercolor	Krishna & Badhwar
	<i>Terminalia bellirica</i>	Watercolor	K. C. Raju
	<i>Terminalia catappa</i>	Ink	M. V. Pant
	<i>Terminalia catappa</i>	Watercolor	K. C. Raju
	<i>Terminalia chebula</i>	Ink	M. V. Pant
	<i>Terminalia chebula</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Terminalia chebula</i>	Watercolor	K. C. Raju
	<i>Terminalia chebula</i>	Watercolor	Krishna & Badhwar
	<i>Terminalia citrina</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Terminalia tomentosa</i>	Watercolor	Krishna & Badhwar
Commelinaceae	<i>Commelina obliqua</i>	Ink	?
	<i>Cyanotis axillaris</i>	Ink	?
Compositae	<i>Ageratum conyzoides</i>	Watercolor	Krishna & Badhwar
	<i>Blumea lacera</i>	Ink	?
	<i>Blumea obliqua</i>	Ink	?
	<i>Chrysanthemum cinerariaefolium</i>	Ink	S. Jayarama Sharma
	<i>Costa hemisphaerica</i>	Ink	S. Jayarama Sharma
	<i>Echinops echinatus</i>	?	Lalbagh Botanical Garden, Bangalore; redrawn
	<i>Edipta alba</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Glossocardia boswallia</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Glynnema sylvestre</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Lanunaca indicaulis</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Pulicaria crispa</i>	Watercolor	?
	<i>Senecio tenuifolius</i>	Ink	?
	<i>Senecio tenuifolius</i>	Ink	M. V. Pant
	<i>Senecio tenuifolius</i>	Watercolor	K. C. Raju
	<i>Siegesbeckia orientalis</i>	Ink	M. V. Pant
	<i>Sphaeranthus indicus</i>	Ink	M. V. Pant
	<i>Sphaeranthus indicus</i>	Watercolor	K. C. Raju
	<i>Spilanthes acnella</i> var. <i>calva</i>	Watercolor	K. C. Raju
	<i>Tanacetum vulgare</i>	Watercolor	?
	<i>Tithonia tagetiflora</i>	Watercolor	K. C. Raju
	<i>Tridax procumbens</i>	Ink	M. V. Pant
	<i>Tridax procumbens</i>	Watercolor	K. C. Raju
	<i>Vernonia anthelmintica</i>	Watercolor	K. C. Raju

Appendix. Continued

Family	Taxon	Media	Artist
	<i>Vernonia anthelmintica</i>	Watercolor	Krishna & Badhwar
	<i>Vernonia arborea</i>	Watercolor	K. C. Raju
	<i>Vernonia chinera</i>	Watercolor	K. C. Raju
	<i>Vernonia divergens</i>	Watercolor	K. C. Raju
	<i>Vicoa indica</i>	Ink	M. V. Pant
	<i>Xanthium strumarium</i>	Ink; Watercolor	K. C. Raju
Commaraceae	<i>Rourea pratiniana</i>	Ink	M. V. Pant
Convolvulaceae	<i>Argyrea cuneata</i>	Watercolor	K. C. Raju
	<i>Argyrea tiliacifolia</i>	Watercolor	?
	<i>Convolvulus arvensis</i>	?	?
	<i>Convolvulus microphyllus</i>	?	?
	<i>Ipomoea aquatica</i>	Ink	Blatter Herbarium, Bombay
	<i>Ipomoea erioarpa</i>	Watercolor	K. C. Raju
	<i>Ipomoea nil</i>	Ink; Watercolor	Blatter Herbarium, Bombay
	<i>Ipomoea pes-tigridis</i>	Ink	Botany Department, Delhi University
	<i>Rivea cuneata</i>	Ink	M. V. Pant
Cruciferae	<i>Brassica campestris</i>	Ink	?
	<i>Brassica juncea</i>	Ink	?
Cucurbitaceae	<i>Citrullus colocynthis</i>	Ink	S. Jayarama Sharma
	<i>Coccinia indica</i>	Ink	S. Jayarama Sharma
	<i>Cucumis sativus</i>	Ink	S. Jayarama Sharma
	<i>Cucumis trigonus</i>	Ink	S. Jayarama Sharma
	<i>Hodgeonia heteroclitia</i>	Ink	Industrial Section, Indian Museum, Calcutta
	<i>Melothria heterophylla</i>	Ink	Blatter Herbarium, Bombay
	<i>Momordica tuberosa</i>	Ink	Botanical Survey of India
	<i>Sechium edule</i>	Ink	M. V. Pant
	<i>Sechium edule</i>	Watercolor	K. C. Raju
	<i>Trichosanthes anguina</i>	Watercolor	K. C. Raju
	<i>Trichosanthes palmata</i>	Watercolor	K. C. Raju
	<i>Zehneria bauhiniana</i>	Watercolor	K. C. Raju
Cyperaceae	<i>Kyllinga monocephala</i>	Ink	Blatter Herbarium, Bombay
	<i>Scirpus articulatus</i>	Ink	M. V. Pant
Datisceaeae	<i>Datisca cannabina</i>	Ink	S. Jayarama Sharma

Appendix. Continued

Family	Taxon	Media	Artist
Dioscoreaceae	<i>Dioscorea alata</i>	Ink	S. Jayarama Sharma
	<i>Dioscorea deltoidea</i>	Watercolor	Ajendra Singh
	<i>Dioscorea hispida</i>	Ink	S. Jayarama Sharma
	<i>Dioscorea pentaphylla</i>	Ink	S. Jayarama Sharma
Dipterocarpaceae	<i>Shorea robusta</i>	Ink	M. V. Pant
	<i>Vateria indica</i>	Ink	M. V. Pant
	<i>Vateria macrocarpa</i>	Ink	?
	<i>Diospyros montana</i>	Watercolor	?
Ebenaceae	<i>Diospyros peregrina</i>	Watercolor	?
	<i>Elaeagnus latifolia</i>	Ink	?
Elaeagnaceae	<i>Elaeocarpus tuberculatus</i>	Ink	?
	<i>Bergia ammannioides</i>	Ink	M. V. Pant
Elaeocarpaceae	<i>Bergia capensis</i>	Ink	?
	<i>Erythroxylum coca</i>	Ink	?
Erythroxylaceae	<i>Acalypha indica</i>	Watercolor	K. C. Raju
	<i>Chrozophora parvifolia</i>	Ink	?
Euphorbiaceae	<i>Croton tiglium</i>	?	?
	<i>Emblica officinalis</i>	Ink	Industrial Section, Indian Museum, Calcutta
	<i>Euphorbia antiquorum</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Euphorbia hirta</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Euphorbia thymifolia</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Jatropha multifida</i>	Ink	S. Jayarama Sharma
	<i>Macaranga peltata</i>	Ink	Blatter Herbarium, Bombay
	<i>Mallotus philippensis</i>	Watercolor	Krishna & Badwar
	<i>Mischodon zeylanicus</i>	Ink	Lalbagh Botanical Garden, Bangalore, redrawn
	<i>Phyllanthus maderaspatensis</i>	?	?
	<i>Sapium discolor</i>	Watercolor	K. C. Raju
	<i>Sebastiania chamaelea</i>	Ink	M. V. Pant
	<i>Sebastiania chamaelea</i>	Watercolor	K. C. Raju
	<i>Securinega virosa</i>	Ink	?
Fagaceae	<i>Quercus dilatata</i>	Ink	M. V. Pant
	<i>Quercus incana</i>	Watercolor	?
	<i>Quercus semecarpifolia</i>	Ink	Redrawn from: Brandis, D. 1874. Illustrations of the forest flora of northwest and central India (commenced by the late J. Lindsay Stewart; continued and completed by Dietrich Brandis; drawn by Walter Fitch), London.

Appendix. Continued

Family	Taxon	Media	Artist
Flacourtiaceae	<i>Casuaria tomentosa</i>	Watercolor	?
	<i>Hydnocarpus kurzii</i>	Ink	?
Gentianaceae	<i>Gentiana kurroo</i>	Ink; Watercolor	M. V. Pant
	<i>Suertia angustifolia</i>	Ink	M. V. Pant
	<i>Suertia angustifolia</i>	Watercolor	Krishna & Badhwar
	<i>Suertia chinayitia</i>	Ink	M. V. Pant
	<i>Suertia paniculata</i>	Watercolor	Krishna & Badhwar
	<i>Ephedra Gerardiana</i>	Ink	?
	<i>Aristida adscensionis</i>	Ink	?
Gramineae	<i>Bambusa</i> sp.	Ink	Sushila Vohra
	<i>Bambusa tulda</i>	Ink	?
	<i>Bothriochloa pertusa</i>	Ink	Mohan Singh
	<i>Bracharia reptans</i>	Ink	?
	<i>Cenchrus ciliaris</i>	Ink	S. Jayarama Sharma
	<i>Cenchrus setigerus</i>	Ink	S. Jayarama Sharma
	<i>Chloris gayana</i>	Ink	S. Jayarama Sharma
	<i>Chrysopogon fulvus</i>	Ink	?
	<i>Dactyloctenium aegyptium</i>	Ink	?
	<i>Dendrocalamus strictus</i>	Watercolor	?
	<i>Echinochloa stagnina</i>	Ink	?
	<i>Imperata cylindrica</i>	Ink	?
	<i>Ischaemum pilosum</i>	?	?
	<i>Leersia hexandra</i>	Ink	?
	<i>Panicum miliaceum</i>	Ink	?
	Guttiferae	<i>Paspalidium geminatum</i>	Ink
<i>Paspalum distichum</i>		Ink	Botany Department, Delhi University
<i>Garcinia cambogia</i>		Ink	M. V. Pant
Hamamelidaceae	<i>Garcinia morella</i>	Ink	M. V. Pant
	<i>Mesua ferrea</i>	Ink	?
	<i>Purrotopsis jacquemontiana</i>	Ink	?

Redrawn from: Brandis, D. 1874. Illustrations of the forest flora of northwest and central India (continued by the late J. Lindsay Stewart; continued and completed by Dietrich Brandis; drawn by Walter Fitch). London.

Appendix. Continued

Family	Taxon	Media	Artist
Hernandiaceae	<i>Gyrocarpus americanus</i>	Ink	M. V. Pant
Hippocastanaceae	<i>Aesculus indica</i>	Ink; Watercolor	M. V. Pant
Hydrocharitaceae	<i>Blyxa aubertii</i>	Ink	?
	<i>Blyxa octandra</i>	Ink	?
	<i>Ottelia alismoides</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Vallisneria</i> sp.	Ink	?
Iridaceae	<i>Sisyrinchium latifolium</i>	Watercolor	K. C. Raju
Labiatae	<i>Anisomeles heyneana</i>	Watercolor	K. C. Raju
	<i>Anisomeles malabarica</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Anisomeles malabarica</i>	Watercolor	K. C. Raju
	<i>Coleus parviflorus</i>	Ink	Department of Agriculture, Madras
	<i>Royale cinerea</i>	Ink	M. V. Pant
	<i>Royale elegans</i>	Watercolor	Krishna & Badhwar
	<i>Salvia lamata</i>	Ink	M. V. Pant
Lauraceae	<i>Cinnamomum verum</i>	Ink	S. Jayarama Sharma
Leguminosae	<i>Abrus precatorius</i>	Ink	Government of Mysore
	<i>Acacia catechu</i>	Ink; Watercolor	K. C. Raju, M. V. Pant
	<i>Acacia concinna</i>	Watercolor	K. C. Raju
	<i>Acacia leucophloea</i>	Ink	Redrawn from: Brandis, D. 1874. Illustrations of the forest flora of northwest and central India (continued by the late J. Lindsay Stewart; continued and completed by Dietrich Brandis; drawn by Walter Fitch). London.
	<i>Acacia modesta</i>	Ink	?
	<i>Acacia nilotica</i>	Watercolor	Krishna & Badhwar
	<i>Acacia sinuata</i>	Ink	S. Jayarama Sharma
	<i>Acacia suma</i>	Watercolor	K. C. Raju
	<i>Acacia sundra</i>	Watercolor	K. C. Raju
	<i>Adenanthera pavonina</i>	Ink	Sushila Vohra
	<i>Adenanthera pavonina</i>	Watercolor	K. C. Raju
	<i>Aeschynomene indica</i>	Ink	Redrawn by M. V. Pant from: Subramanyam, K. 1962. Aquatic angiosperms: A systematic account of common Indian aquatic angiosperms. New Delhi.

Appendix. Continued

Family	Taxon	Media	Artist
	<i>Aeschynomene indica</i>	Ink	Redrawn by M.V. Pant from: Subramanyam, K. 1962. Aquatic angiosperms: A systematic account of common Indian aquatic angiosperms. New Delhi.
	<i>Albizia lebbek</i>	Watercolor	?
	<i>Albizia procera</i>	Ink	M.V. Pant
	<i>Alysicarpus bupleurifolius</i>	Ink; Watercolor	K. C. Raju
	<i>Arylosia albicans</i>	Watercolor	K. C. Raju
	<i>Bauhinia purpurea</i>	Ink	M.V. Pant
	<i>Bauhinia variegata</i>	Watercolor	M.V. Pant
	<i>Butea monosperma</i>	Ink	Government of Mysore
	<i>Caesalpinia coriaria</i>	Ink	S. Jayarama Sharma
	<i>Caesalpinia crista</i>	Ink	S. Jayarama Sharma
	<i>Caesalpinia sappan</i>	Ink	S. Jayarama Sharma
	<i>Cassia angustifolia</i>	?	Industrial Section, Indian Museum, Calcutta
	<i>Cassia fistula</i>	Ink	M.V. Pant
	<i>Cassia occidentalis</i>	Ink	Sushila Vohra, Krishna & Badhwar
	<i>Cassia senna</i>	Ink	S. Jayarama Sharma
	<i>Cassia tora</i>	Ink	S. Jayarama Sharma
	<i>Crotalaria juncea</i>	Ink	S. Jayarama Sharma
	<i>Crotalaria medicaguinea</i>	Ink	S. Jayarama Sharma
	<i>Crotalaria sericea</i>	Ink	S. Jayarama Sharma
	<i>Dalbergia laucolaria</i>	Watercolor	Krishna & Badhwar
	<i>Dalbergia latifolia</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Dalbergia melanoxylon</i>	Ink	Lalbagh Botanical Garden, Bangalore; redrawn
	<i>Dalbergia sissoo</i>	Ink; Watercolor	Lalbagh Botanical Garden, Bangalore
	<i>Delonix regia</i>	Ink	?
	<i>Desmodium gangeticum</i>	Ink	Lalbagh Botanical Garden, Bangalore; redrawn
	<i>Dichrostachys cinerea</i>	Ink	M.V. Pant
	<i>Enterolobium saman</i>	Ink	M.V. Pant
	<i>Erythrina crista-galli</i>	Ink	Lalbagh Botanical Garden, Bangalore; redrawn by M.V. Pant
	<i>Erythrina stricta</i>	Ink	?
	<i>Erythrina variegata</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Indigofera arrecta</i>	Ink	S. Jayarama Sharma
	<i>Indigofera glandulosa</i>	Ink	Blatter Herbarium, Bombay
	<i>Indigofera hirsuta</i>	Ink	Botany Department, Delhi University
	<i>Indigofera tinctoria</i>	Ink	Lalbagh Botanical Garden, Bangalore

Appendix. Continued

Family	Taxon	Media	Artist
	<i>Indigofera trita</i>	Ink	?
	<i>Leucaena glauca</i>	Ink	?
	<i>Medicago sativa</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Mimosa hamata</i>	Ink	?
	<i>Mimosa pudica</i>	Ink	?
	<i>Mucuna deeringiana</i>	Ink; Watercolor	Krishna & Badhwar
	<i>Mucuna macrocarpa</i>	?	?
	<i>Mucuna monosperma</i>	?	?
	<i>Mucuna pruriata</i>	Ink	?
	<i>Ougeinia oejinensis</i>	Ink	Redrawn from: Brandis, D. 1874. Illustrations of the forest flora of northwest and central India (continued by the late J. Lindsay Stewart; continued and completed by Dietrich Brandis; drawn by Walter Fitch). London.
	<i>Pachyrhizus erosus</i>	Ink	K. S. Srinivasan, Industrial Section, Indian Museum, Calcutta
	<i>Peltophorum fernugineum</i>	Watercolor	A. K. Goel
	<i>Phaseolus aconitifolius</i>	?	M. V. Pant
	<i>Phaseolus calcaratus</i>	?	?
	<i>Phaseolus lathyroides</i>	Ink	?
	<i>Phaseolus lunatus</i>	Ink	?
	<i>Phaseolus trilobus</i>	Ink	?
	<i>Phaseolus trilobus</i>	Ink	?
	<i>Piscidia piscipula</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Rhynchosia rufescens</i>	Ink	M. V. Pant
	<i>Sesbania cannabina</i>	Ink	?
	<i>Tamarindus indica</i>	Ink	M. V. Pant
	<i>Tephrosia hookeriana</i>	Watercolor	?
	<i>Tephrosia purpurea</i>	Ink	Redrawn by M. V. Pant from: Talbot, W. A. 1909-1911. Forest flora of the Bombay Presidency and Sind. 2 vols. Poona.

Appendix. Continued

Family	Taxon	Media	Artist
Liliaceae	<i>Tephrosia purpurea</i>	Watercolor	?
	<i>Vigna umbellata</i>	Ink	M.V. Pant
	<i>Zornia diphylla</i>	Ink; Watercolor	K. C. Raju
	<i>Aloe vera</i>	Ink; Watercolor	K. C. Raju
	<i>Asphodelus</i> sp.	Ink	?
	<i>Colchicum luteum</i>	?	?
	<i>Gloriosa superba</i>	Ink; Watercolor	Krishna & Badhwar
	<i>Ophiopogon intermedius</i>	Ink	Redrawn from: Collett, H. 1921. Flora Simlensis: A handbook of the flowering plants of Simla and the neighbourhood. Calcutta and Simla. (With an introduction by W. Botting Hemsley, 200 illustrations drawn by Miss M. Smith, and a map.) Botany Division, Indian Agricultural Research Institute, New Delhi
	<i>Linum usitatissimum</i>	Watercolor	
	<i>Strychnos nux-vomica</i>	Ink	M.V. Pant
Loganiaceae	<i>Strychnos potatorum</i>	Watercolor	?
	<i>Viscum orientale</i>	Ink	M.V. Pant
Loranthaceae	<i>Viscum orientale</i>	Watercolor	K. C. Raju
	<i>Malachra capitata</i>	Ink	?
Malvaceae	<i>Malva parviflora</i>	Ink	?
	<i>Malvastrum coromandelianum</i>	Ink	?
	<i>Sida acuta</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Sida carpinifolia</i>	Watercolor	K. C. Raju
	<i>Sida cordifolia</i>	Ink	M.V. Pant
	<i>Sida cordifolia</i>	Watercolor	Krishna & Badhwar
	<i>Sida humilis</i>	Watercolor	Krishna & Badhwar
	<i>Sida rhombifolia</i>	Watercolor	K. C. Raju
	<i>Thespesia populnea</i>	Ink	M.V. Pant
	<i>Thespesia populnea</i>	Watercolor	K. C. Raju
Meliaceae	<i>Azadirachta indica</i>	Ink; Watercolor	Krishna & Badhwar
	<i>Cedrela toona</i>	Watercolor	Krishna & Badhwar
	<i>Dysoxylum binectariferum</i>	?	?
	<i>Melia azedarach</i>	Ink; Watercolor	Krishna & Badhwar
	<i>Melia composita</i>	Ink	?

Appendix. Continued

Family	Taxon	Media	Artist
Menispermaceae	<i>Cissampelos pareira</i>	Ink	S. Jayarama Sharma
	<i>Cissampelos pariera</i>	Watercolor	Krishna & Badhwar
Moraceae	<i>Tinospora cordifolia</i>	Watercolor	Krishna & Badhwar
	<i>Artocarpus heterophyllus</i>	Watercolor	?
	<i>Artocarpus lakowicha</i>	Watercolor	Krishna & Badhwar
	<i>Cannabis sativa</i>	Ink; Watercolor	Lalbagh Botanical Garden, Bangalore
	<i>Ficus auriculata</i>	Ink	S. Jayarama Sharma
	<i>Ficus bengalensis</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Ficus cunia</i>	Watercolor	?
	<i>Ficus glomerata</i>	Ink; Watercolor	S. Jayaram Sharma
	<i>Ficus hispida</i>	Ink	S. Jayarama Sharma
	<i>Ficus religiosa</i>	Ink; Watercolor	S. Jayarama Sharma
	<i>Stereitzia angusta</i>	Watercolor	K. C. Raju
Musaceae			
Myricaceae	<i>Myrica esculenta</i>	Ink; Watercolor	Krishna & Badhwar
	<i>Myristica beddomei</i> (two)	Ink	?
Myristicaceae	<i>Myristica malabarica</i>	Ink	?
	<i>Maesa indica</i>	Watercolor	K. C. Raju
Myrtaceae	<i>Tristania conferta</i>	Watercolor	K. C. Raju
Nyctaginaceae	<i>Boerhavia diffusa</i>	Ink	?
Ochnaceae	<i>Ochna jabotapita</i>	Ink	Lalbagh Botanical Garden, Bangalore
Oleaceae	<i>Jasminum humile</i>	Ink	?
	<i>Jasminum officinale</i>	Ink	S. Jayarama Sharma
	<i>Jasminum sambac</i>	Ink	S. Jayarama Sharma
	<i>Olea ferruginea</i>	Ink	Redrawn from: Brandis, D. 1874. Illustrations of the forest flora of northwest and central India (continued by the late J. Lindsay Stewart; continued and completed by Dietrich Brandis; drawn by Walter Fitch), London.
	<i>Olea scandens</i>	Ink	?
Orchidaceae	<i>Saccolabium ampullaceum</i>	Watercolor	Krishna & Badhwar
Osmundaceae (Pteridophyta)	<i>Osmunda regalis</i>	Ink	Lalbagh Botanical Garden, Bangalore
Oxalidaceae	<i>Oxalis corniculata</i>	Ink; Watercolor	Sushila Vohra
	<i>Oxalis latifolia</i>	Ink	Redrawn from: Calder, C. C. 1919. The species of <i>Oxalis</i> now wild in India. Rec. Bot. Surv. India 6(8): 325-341.

Appendix. Continued

Family	Taxon	Media	Artist
Papaveraceae	<i>Oxalis martiana</i>	Ink	Botany Department, Delhi University
	<i>Argemone mexicana</i>	Ink; Watercolor	Mohan Singh
	<i>Miconopsis aculeata</i>	Watercolor	Krishna & Badhwar
Pedaliaceae	<i>Sesamum indicum</i>	Watercolor	K. C. Raju
Phytolaccaceae	<i>Gisekia pharnacoides</i>	Ink	S. Jayarama Sharma
Pinaceae	<i>Cedrus deodara</i>	Watercolor	Krishna & Badhwar
	<i>Picea smithiana</i>	?	Redrawn by M. V. Pant from: Royle, J. F. 1839. Illustrations of the botany and other branches of the natural history of the Himalayan Mountains, and of the Flora of Cashmere. London.
	<i>Pinus excelsa</i>	Watercolor	M. V. Pant
	<i>Pinus gerardiana</i>	Ink	M. V. Pant
	<i>Pinus roxburghii</i>	Ink; Watercolor	Krishna & Badhwar
Piperaceae	<i>Peperomia reflexa</i>	Ink	Botanical Survey of India
	<i>Piper cubeba</i>	Ink	?
	<i>Piper longum</i>	Ink; Watercolor	Krishna & Badhwar
Pittosporaceae	<i>Pittosporum floribundum</i>	Ink	?
Podostemonaceae	<i>Zeylanidium olivaceum</i>	Ink	?
Polygonaceae	<i>Rhicum spiciforme</i>	Ink	M. V. Pant
	<i>Rhicum webbianum</i>	Ink	M. V. Pant
Pontederiaceae	<i>Eichhornia crassipes</i>	Ink	?
	<i>Monochoria hastata</i>	Ink	Botanical Survey of India
Portulacaceae	<i>Talinum cuneifolium</i>	Watercolor	K. C. Raju
Potamogetonaceae	<i>Potamogeton pectinatus</i>	Ink	?
	<i>Pseudoraphis spinescens</i>	Ink	?
	<i>Ruppia maritima</i>	Ink	?
Primulaceae	<i>Anagallis arvensis</i>	Ink	Government of Mysore
Ranunculaceae	<i>Aconitum chasmanthum</i>	Watercolor	Ajendra Singh
	<i>Aconitum heterophyllum</i>	Ink	?
	<i>Clematis montana</i>	Watercolor	Krishna & Badhwar
	<i>Cleome brachycarpa</i>	?	?

Appendix. Continued

Family	Taxon	Media	Artist
Rhamnaceae	<i>Delphinium denudatum</i>	Watercolor	?
	<i>Paeonia emodi</i>	Watercolor	Krishna & Badhwar
	<i>Thalictrum foliolosum</i>	Ink	M.V. Pant
	<i>Rhamnus triquetra</i>	Ink	M.V. Pant
	<i>Scutia indica</i>	Watercolor	K. C. Raju
	<i>Ventilago madraspatana</i>	Ink	M.V. Pant
	<i>Zizyphus jujuba</i>	Ink; Watercolor	Krishna & Badhwar
	<i>Zizyphus rigosa</i>	Ink; Watercolor	K. C. Raju
	<i>Zizyphus trinervia</i>	Ink; Watercolor	K. C. Raju
	<i>Rhizophora mucronata</i>	Ink	M.V. Pant
	<i>Rubus niveus</i>	Ink	M.V. Pant
	<i>Adina cordifolia</i>	Ink; Watercolor	Forest Research Institute, Dehra Dun
	<i>Borreria articulatis</i>	Watercolor	K. C. Raju
	<i>Cinchona ledgeriana</i>	Ink	Cinchona Department, Nilgiris
<i>Coffea arabica</i>	?	?	
Rubiaceae	<i>Hymenodictyon excelsum</i>	Ink	?
	<i>Mitragyna parvifolia</i>	Ink	Botany Department, Delhi University
	<i>Morinda augustifolia</i>	Ink	?
	<i>Morinda coreia</i>	Ink	?
	<i>Pavetta indica</i>	Ink	?
	<i>Rubia cordifolia</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Sarcocephalus cordatus</i>	Watercolor	?
	<i>Stephogyne parvifolia</i>	Watercolor	K. C. Raju
	<i>Aegle marmelos</i>	Ink; Watercolor	Krishna & Badhwar
	<i>Skimmia laurifolia</i>	Ink	?
	<i>Toddalia aculeata</i>	Ink	M.V. Pant
	<i>Toddalia aculeata</i>	Watercolor	K. C. Raju
	<i>Zanthoxylum alatum</i>	Ink; Watercolor	Krishna & Badhwar
	<i>Salix babylonica</i>	Ink	M.V. Pant
Salicaceae	<i>Salix caprea</i>	Ink	M.V. Pant
	<i>Salix daphnoides</i>	Ink	M.V. Pant
	<i>Salix tetrasperma</i>	Watercolor	Krishna & Badhwar
	<i>Salix wallichiana</i>	Ink	M.V. Pant

Appendix. Continued

Family	Taxon	Media	Artist
Salvadoraceae	<i>Azima tetraacantha</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Azima tetraacantha</i>	Watercolor	K. C. Raju
	<i>Salvadora oleoides</i>	Ink	M. V. Pant
Sapindaceae	<i>Cardiospermum hallicacabum</i>	Ink	S. Jayarama Sharma
	<i>Dodonaea viscosa</i>	Ink	M. V. Pant
	<i>Sapindus laurifolius</i>	Ink	M. V. Pant
	<i>Schleichera oleosa</i>	Ink	M. V. Pant
	<i>Schleichera triflora</i>	Watercolor	Krishna & Badhwar
	<i>Diploknema butyracea</i>	?	?
Sapotaceae	<i>Sideroxylon inerme</i>	Watercolor	K. C. Raju
	<i>Philadelphus tomentosus</i>	?	M. V. Pant
Saxifragaceae	<i>Saxifraga ligulata</i>	Watercolor	Krishna & Badhwar
	<i>Bacopa monnieri</i>	Ink	?
Scrophulariaceae	<i>Digitalis purpurea</i>	Watercolor	?
	<i>Limnophila aquatica</i>	Ink	Blatter Herbarium, Bombay
	<i>Limnophila indica</i>	Ink	Blatter Herbarium, Bombay
	<i>Picrothiza kurroa</i>	Ink	Redrawn by M. V. Pant from: Royle, J. F. 1839. Illustrations of the botany and other branches of the natural history of the Himalayan Mountains, and of the Flora of Cashmere. London.
	<i>Quassia amara</i>	Ink; Watercolor	Lalbagh Botanical Garden, Bangalore
	<i>Atropa acuminata</i>	Ink	R. H. Chopra, Jammu
Solanaceae	<i>Atropa belladonna</i>	Ink	R. N. Chopra, Jammu
	<i>Brouffelsia americana</i>	Ink	M. V. Pant
	<i>Brouffelsia undulata</i>	Ink	M. V. Pant
	<i>Datura innoxia</i>	?	?
	<i>Datura stramonium</i>	?	?
	<i>Nicandra physalodes</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Physalis minima</i>	?	?
	<i>Physoclaina praetia</i>	Ink	Botanical Survey of India
	<i>Solanum arboreum</i>	Watercolor	K. C. Raju
	<i>Solanum indicum</i>	Ink	M. V. Pant
	<i>Solanum indicum</i>	Watercolor	K. C. Raju
	<i>Solanum sisymbirifolium</i>	Ink	M. V. Pant

Appendix. Continued

Family	Taxon	Media	Artist
	<i>Solanum surratense</i>	Ink	M. V. Pant
	<i>Solanum torium</i>	Watercolor	K. C. Raju
	<i>Solanum torium</i>	Watercolor	Krishna & Badhwar
	<i>Solanum trilobatum</i>	Ink	M. V. Pant
	<i>Solanum verbascifolium</i>	Ink	M. V. Pant
	<i>Solanum verbascifolium</i>	Watercolor	K. C. Raju
	<i>Solanum xanthocarpum</i>	?	?
	<i>Withania somnifera</i>	Watercolor	K. C. Raju
Sonneratiaceae	<i>Sonneratia apetala</i>	Ink	M. V. Pant
Sterculiaceae	<i>Erythropsis colorata</i>	Ink	M. V. Pant
	<i>Gaostoma ulmifolia</i>	Ink	Lalbagh Botanical Garden, Bangalore
	<i>Helicteres isora</i>	Ink	S. Jayarama Sharma
	<i>Sterculia populifolia</i>	Watercolor	K. C. Raju
	<i>Sterculia villosa</i>	Ink	M. V. Pant
Tamaricaceae	<i>Tamarix dioica</i>	Ink	M. V. Pant
	<i>Tamarix eritoides</i>	Ink	M. V. Pant
Theaceae	<i>Camellia sinensis</i>	Ink	?
	<i>Eurya japonica</i>	Ink	?
Thymelaeaceae	<i>Daphne oleoides</i>	?	?
Tiliaceae	<i>Corchorus aestuans</i>	?	?
	<i>Corchorus capsularis</i>	?	?
	<i>Corchorus depressus</i>	?	?
	<i>Corchorus tridens</i>	?	?
	<i>Corchorus trilobularis</i>	?	?
	<i>Grewia damine</i>	Ink	M. V. Pant
	<i>Grewia optiva</i>	Ink	M. V. Pant
	<i>Grewia subinaequalis</i>	Ink; Watercolor	M. V. Pant, Krishna & Badhwar
	<i>Grewia tiliifolia</i>	Ink	Lalbagh Botanical Garden, Bangalore
Trapaceae	<i>Trapa bispinosa</i>	Watercolor	K. C. Raju
Turneraceae	<i>Turnera trioniflora</i>	Watercolor	K. C. Raju
	<i>Turnera ulmifolia</i>	Watercolor	K. C. Raju
Ulmaceae	<i>Celtis australis</i>	Watercolor	Krishna & Badhwar
	<i>Trema orientalis</i>	Ink	M. V. Pant
	<i>Trema orientalis</i>	Watercolor	Krishna & Badhwar

Appendix. Continued

Family	Taxon	Media	Artist	
Umbelliferae	<i>Carum carvi</i>	?	S. Jayarama Sharma	
	<i>Carum copticum</i>	Watercolor	K. C. Raju	
	<i>Centella asiatica</i>	Ink	S. Jayarama Sharma	
	<i>Foeniculum vulgare</i>	Ink	Lalbagh Botanical Garden, Bangalore	
	Verbenaceae	<i>Cherodendrum phlomidis</i>	?	?
		<i>Faradaya splendida</i>	Ink	S. Jayarama Sharma
		<i>Gmelina arborea</i>	Ink; Watercolor	Lalbagh Botanical Garden, Bangalore
		<i>Gmelina asiatica</i>	Ink	Krishna & Badhwar
		<i>Lantana indica</i>	Watercolor	Lalbagh Botanical Garden, Bangalore
		<i>Stachytarpheta mutabilis</i>	Ink	M. V. Pant
		<i>Stachytarpheta mutabilis</i>	Watercolor	K. C. Raju
		<i>Tectona grandis</i>	Ink	M. V. Pant
		<i>Tectona grandis</i>	Watercolor	K. C. Raju
		<i>Tectona hamiltoniana</i>	Watercolor	K. C. Raju
<i>Vitex alata</i>	Watercolor	K. C. Raju		
<i>Vitex negundo</i>	Watercolor	K. C. Raju		
<i>Vitex pinnata</i>	Ink; Watercolor	Sushila Vohra		
<i>Vitex pubescens</i>	Watercolor	K. C. Raju		
Violaceae	<i>Viola odorata</i>	Ink	M. V. Pant	
Vitaceae	<i>Parthenocissus himalayana</i>	Ink	Redrawn from: Collett, H. 1921. Flora Simlensis: A handbook of the flowering plants of Simla and the neighbourhood. Calcutta and Simla. (With an introduction by W. Borling Hemlsey, 200 illustrations drawn by Miss M. Smith, and a map.)	
	<i>Vitis quadrangularis</i>	Watercolor	Krishna & Badhwar	
Zingiberaceae	<i>Vitis tomentosa</i>	Watercolor	K. C. Raju	
	<i>Costus speciosus</i>	Ink	S. Jayarama Sharma	
	<i>Elettaria cardamomum</i>	Ink	?	
Zygophyllaceae	<i>Balanites aegyptiaca</i>	Ink	Krishna & Badhwar	
	<i>Guaiacum officinale</i>	Ink	Lalbagh Botanical Garden, Bangalore	
	<i>Tribulus terrestris</i>	Ink	M. V. Pant	
	<i>Tribulus terrestris</i>	Watercolor	K. C. Raju	

