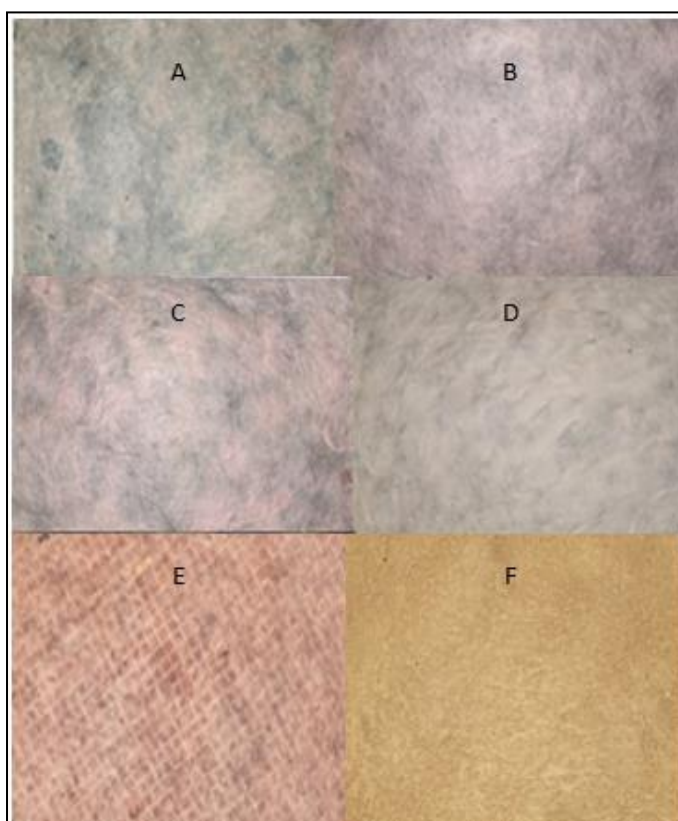


## RESEARCH NOTE III

## ALTERNATIVE FIBRE YIELDING PLANTS FOR PAPER INDUSTRY

The plant materials, *Edgeworthia gardeni*, *Cyperus rotundus*, *Girardinia diversifolia* and *Abelmoschus esculentus*, were collected from the different sources from the vicinities of Gangtok, Sikkim. These plants are used in the different gradients for the qualitative production of paper. The quality of paper differs with the textures of materials and pulp qualities of plants specimens. Treating the plant specimens with the Caustic soda (1 N)/ Caustic potash for 120 minutes, the pulps of plant matrix prepared and passed through the screen to obtain the mat of interwoven fibres. These were pressed to drain water and allow drying.



**Fig 1:** Type A: *Cyperus rotundus* and *Abelmoschus esculentus*; Type B: *Edgeworthia gardeni* and *Cyperus rotundus* ; Type C: *Edgeworthia gardeni* and *Girardinia diversifolia*; Type D: *Edgeworthia gardeni* ; Type E: *Cyperus rotundus* + resin and Type F: *Cyperus rotundus*

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