		Date
Expt. No	08	Page No31
Aim:		
Per	form microscopical study of Datura	Jeaf.
	bence:	
	e C.K., Purohit A.P. and Gokhale S.B. 1 n page no: - 15.50 - 15.52.	Vixali publication, Soth
	rement	
	nical: > Safranine reagent, g	ly cerin.
b) Other	:> Dhatura leaf, potato.	
Theo	sy:	
Datu	ora other name is Angel's t	sumpet.
Biolo	gical Source:	
Datus	na consists of the dried leaves of Datura metel and D. m uosa Safford. It belongs to	and flowering netel war.
	raphical Source: India, Englan	
	vation and Collection: The see	
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per hectare are required for sowing Plant is ready after 9 months.	ng purpose.
Macroscopic Characters: Leaf length = Width = 8-13 cm. The leaf is core hair. Leaf colour is slightly pale	ned with minute
Uses!	
Datura herb and its main alkaloid parasympatholytic with anticholinergic system depressent effects. The drug excitement. Along with mosphine, it is preoperative medication.	is used in cerebral
Procedure:	
i) Collect fresh and clean leaf of Dh	atura.
ii) Take four water glass which will be the leaves of Datura.	e used in keeping
iii) Place water, Safranin, glycerin and in the respective watch glass.	
iv) Take a fresh leaf of Datura and the plane surface.	place it over

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Da	re
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v) Now take a new and sharp blade to cut the Datu	na leaf.
vi) Cut the leaf of Datura containing midsib	portion.
vii) Prepare the cubes of potato for further holding datura leaf.	use of
viii) Transfer the cutted postion of Datura water glass containing water.	
ix) Now, place the cutted postion of dature the opening of potato cube.	
x) Cut the excess portion of leaf using start cutting of this section of datura I	blade and eaf.
xi) Transfer the thin section in water containing	
xii) Again transfer the thin section in Safranin neg or.	
xiii) After 2 to 3 minutes transfer the thin so into fresh water containing watch glass to out excess safranin reagent.	
xiv) Now, take a glass slide and place a section over the slide and add 2 to of glycerin or 9.5.	good 3 drops
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xv)	Cover the slide with coverslip and the prepared slide using a comp 10x and 10x (wo occular and stage	observe ound microscope ge)
	Draw the neat and clean diagraps practical notebook.	
	Result:-	
	Microscopical study of datura leaf to performed in pharmacognosy laboratory.	was successfully
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	Teacher's Signature	

