

## E. Resources

**Dr. G. NAGARAJ, RIE, NCERT, MYSURU**



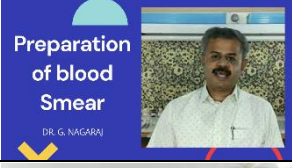





**youtube channel: CREATIVE LEARNING Dr GN**

<https://www.youtube.com/channel/UCRLhmE8rULXpVaJcohJHJ2w>





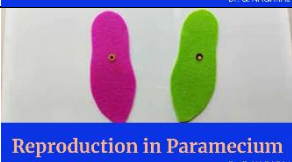

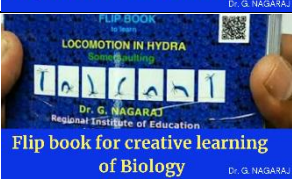











Respected Sir/ Madam,

- I have prepared videos related to demonstration of practical experiments of B.Sc. Zoology; and also preparation of low-cost learning materials.
- These videos are prepared using smartphone and edited by me.
- These videos intend to motivate the students for active and hands on learning and perform the experiments better in a real lab.
- And also to motivate the students and teachers to prepare such videos for effective learning.
- I already published them on YouTube.
- I am submitting them (link and QR codes) for your kind consideration to link / publish in your (library) website/ e. resource.
- Hopefully waiting for your kind reply.

Thanking you.

SN	Title	Thumb nail	Link	QR code
<b>I. B. Sc Zoology Experiments</b>				
1.	Preparation of permanent slide		<a href="https://www.youtube.com/watch?v=iUpp_pY4qwY&amp;t=11s">https://www.youtube.com/watch?v=iUpp_pY4qwY&amp;t=11s</a>	
2.	Preparation of Blood Smear		<a href="https://www.youtube.com/watch?v=GOoHs-6Xsek">https://www.youtube.com/watch?v=GOoHs-6Xsek</a>	
3.	Estimation of Haemoglobin - Sahli's method		<a href="https://www.youtube.com/watch?v=s2_6DnvBEyM">https://www.youtube.com/watch?v=s2_6DnvBEyM</a>	
4.	Counting of total WBC and RBC		<a href="https://www.youtube.com/watch?v=t4sUVy_6LWQ">https://www.youtube.com/watch?v=t4sUVy_6LWQ</a>	

5.	Paper chromatography Separation and identification of amino acids	 Paper chromatography Separation and identification of amino acids Dr. G. NAGARAJ	<a href="https://youtu.be/ChWwcp_h_IKw">https://youtu.be/ChWwcp_h_IKw</a>	
6.	Staining of Mitochondria in buccal epithelial cells of man	 Staining of mitochondria in buccal epithelial cells of man Dr. G. NAGARAJ	<a href="https://youtu.be/jshSy_AVMM">https://youtu.be/jshSy_AVMM</a>	
7.	Identification of ABO blood groups and Rh factor in man	 Identification of ABO blood groups and Rh factor in man Dr. G. NAGARAJ	<a href="https://youtu.be/179XxbM_hvs0">https://youtu.be/179XxbM_hvs0</a>	
8.	Effect of pH on the activity of salivary amylase on starch	 Effect of pH on the activity of salivary amylase on starch Dr. G. NAGARAJ	<a href="https://youtu.be/2T-d6-PH-Ak">https://youtu.be/2T-d6-PH-Ak</a>	
9.	Effect of temperature on the activity of salivary amylase on starch	 Effect of temperature on the activity of salivary amylase on starch Dr. G. NAGARAJ	<a href="https://youtu.be/WmgBsn_2JzsY">https://youtu.be/WmgBsn_2JzsY</a>	
10.	Study of Barr body in buccal epithelial cells of female	 Study of Barr body in buccal epithelial cells of female Dr. G. NAGARAJ	<a href="https://youtu.be/CPQ6AK_zrITl">https://youtu.be/CPQ6AK_zrITl</a>	
11.	Temporary mounting of fish scales - Placoid, Cycloid and Ctenoid scales	 Temporary mounting of fish scales Placoid, Cycloid and Ctenoid scales Dr. G. NAGARAJ	<a href="https://youtu.be/RfBg3NuxcgM">https://youtu.be/RfBg3NuxcgM</a>	
12.	Windowing hen's egg for developmental studies	 Windowing hen's egg for developmental studies Dr. G. NAGARAJ	<a href="https://youtu.be/SII2iH3Z_pWY">https://youtu.be/SII2iH3Z_pWY</a>	
<b>II. B. Sc Zoology – Low cost &amp; creative learning aid</b>				
13.	Locomotion in Hydra	 Locomotion in Hydra Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=oc9Hmjdx0Dw">https://www.youtube.com/watch?v=oc9Hmjdx0Dw</a>	
14.	Budding in Hydra	 Budding in Hydra Dr. G. NAGARAJ	<a href="https://youtu.be/C5vOLtM3inl">https://youtu.be/C5vOLtM3inl</a>	

15.	Nutrition in Amoeba	 Nutrition in Amoeba Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=lgm1_tLiWQQ">https://www.youtube.com/watch?v=lgm1_tLiWQQ</a>	
16.	Binary Fission in Amoeba	 Binary fission in Amoeba Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=mChcRTuv9i8">https://www.youtube.com/watch?v=mChcRTuv9i8</a>	
17.	Reproduction in Paramecium	 Reproduction in Paramecium Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=B7lboldvgxY">https://www.youtube.com/watch?v=B7lboldvgxY</a>	
18.	Flip book for creative learning of Biology	 Flip book for creative learning of Biology Dr. G. NAGARAJ Regional Institute of Education	<a href="https://www.youtube.com/watch?v=rmXDI0DxL9c&amp;t=5s">https://www.youtube.com/watch?v=rmXDI0DxL9c&amp;t=5s</a>	
19.	Hydrarch Succession	 Hydrarch succession Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=IFOM1TGz4Tg">https://www.youtube.com/watch?v=IFOM1TGz4Tg</a>	
20.	Aquarium a learning resource	 Aquarium: a learning resource Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=6Nqdc8imQdl&amp;t=57s">https://www.youtube.com/watch?v=6Nqdc8imQdl&amp;t=57s</a>	
<b>III. Low cost experiments (for school students)</b>				
21.	Low-cost Chromatography for school students	 Low-cost chromatography for school students Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=so58tT5_vEw">https://www.youtube.com/watch?v=so58tT5_vEw</a>	
22.	Improvised experiments to study behavioural responses of Drosophila melanogaster (fruit fly)	 Improvised experiments to study behavioural responses of Drosophila melanogaster (fruit fly) Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=EUQK_htKv2g">https://www.youtube.com/watch?v=EUQK_htKv2g</a>	
23.	Low-cost Spirometer to Measure Lung Capacity	 Low-cost spirometer to measure lung capacity Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=ZFjb6VKxpdQ">https://www.youtube.com/watch?v=ZFjb6VKxpdQ</a>	
24.	Activity to Nurture Creativity	 Activity to nurture creativity Dr. G. NAGARAJ	<a href="https://www.youtube.com/watch?v=GzNICBwY2nQ">https://www.youtube.com/watch?v=GzNICBwY2nQ</a>	