1868 Lichens Simon · Professor tulsane Schwendener Heten tophic Fungal mycobiont mycology Phycology Prepare the food for fungi relationship mutually Symbiotic along with organisms Lichenology Fung i Algae F. biont Mycobiont

## Phycomycology Phycomycology

Algae: Phycology

plants: Phytology

Fungi = Mycology

myscles => myology

Lichens = IAP

purity

Indices of Atmospheric

, does not grow in polluted arcq.

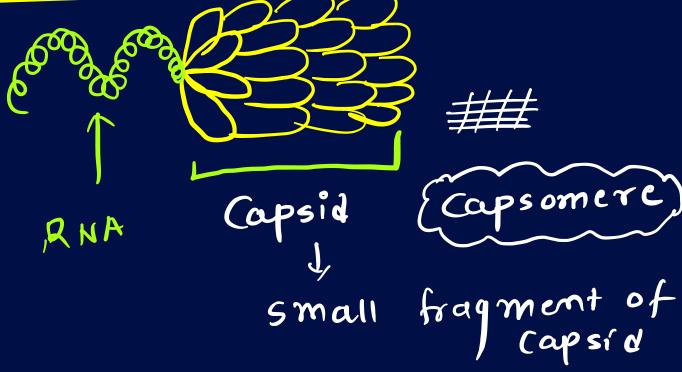
> Sensitive towards the 502



foliose Constose Fryctose Polluted indicator" 7 Good Mycoplasma & viroid & virus < Bacteria < plant + Animal Cell Viroids ONLY smaller than the vinus (RNA) T.o. Diener in 1971 19CKs of Protein Coat molecular Weight low Disease: Potato Inber Disease Potato Spindle

## PSTD

Tobacco mosaic vinis





Prions: Infectious Protein

Madcow Kuny Disease diseas e (BSE) langhing Death Bovine spongioform Dise ase En cephalopeuthy

TMV

Already

Explained

RNA, Capsial

Transduction

~ lytic

virus: Harmful parasites Obligatory V Acellular Non-cellular outside - NonLiving Celular / smchre Inside -> Living NOT celulay R.H. Whittekar: vins x Structure Louis the term virus Coined Pasteur: Venom (1892) D. J. Ivanowsky: mosaile vins (tmv) Tobacco (TMV) Tobacco (Nicotinia tobaccum) Contagium Vivum Beijevenick: fluidym

Body fluid (1898) Contamination Could be W.M. Stanely: Structure Crystalized Bacteriophage Protein Coat > collad sheath Tail fibres DNATRNA vin 5 viroids

RNA

Leucovirus



River ganga -> free form

Bacteria

H20

O SSDNA -> PX174

O ds DNA 

Pox Vinis

Camiflower mosaic

vinus

Ty Bacteriophoge

SSRNA -> TMV, HIV,

Influenza

ds RNA: > Reo vinus, Wound turnor vinus

strande d single strumded, dayble virus: (ommon. Rhino vinus cold HIV AIDS: HPV Genital: Warts HBV Hepatitis-B

COVID -19

Comma

Swine fin : HINI

Preymonia: Haemophiles influenza

Bacteria, Protista, virus, viroids, Algae Lichems, Prions, Fungi