Ultrastructure of the hen eggshell and its physiological interpretation

Figures
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Introduction

This volume of figures and captions forms an integral part of the book ‘Ultra-structure of the hen eggshell and its physiological interpretation’.

Most of the plates are from photographs taken by the Technical and Physical Engineering Research Service at Wageningen.

A few are from photographs made under a Leitz Ortholux light microscope (l.m.).

Some transmission electron micrographs (t.e.m.) were made with a Philips EM 100; others with a Siemens Elmiskop I or Philips EM 300 transmission electron microscope.

Scanning electron micrographs (s.e.m.) were made with a Stereoscan or JSM 2 scanning electron microscope.

The section of plate enclosed by a rectangle is enlarged on another plate. An arrow on the left hand side at the top of the photographs, points towards the outside of the eggshell.
List of abbreviations

be  =  belt
ca  =  cavity
ch  =  central hole
cv  =  cuticular vesicle
de  =  deposit
fb  =  fibre bundle
fc  =  fibre core
fcl  =  fibre cleft
fh  =  fibre hole
fi  =  fibril
fm  =  fibre mantle
fp  =  fibre protuberances
fs  =  fibre of shell membrane
fv  =  fibre vacuole
il  =  inner layer of inner membrane
IM  =  Inner Membrane
is  =  intermammillary space
la  =  lamella
LC  =  Layer of Cones and basal caps
lh  =  large hole
mcl  =  cleft between mammillae
OM  =  Outer Membrane
ph  =  pitlike hole
PL  =  Palisade Layer
pl  =  plug
po  =  pore
pp  =  pore plaque
ro  =  row of small openings
SC  =  Surface Crystal layer
TC  =  True Cuticle
th  =  triangular hole
vh  =  vesicular hole
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