

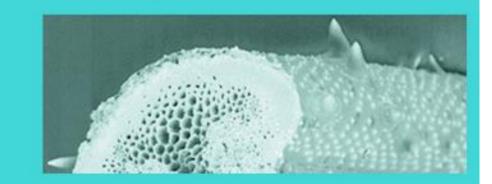
*speaker

Comparison of structure of different Adriatic Sea shells

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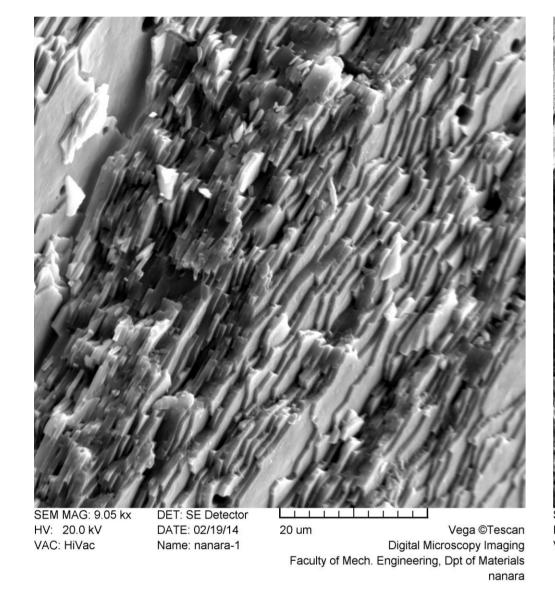




Monodonta

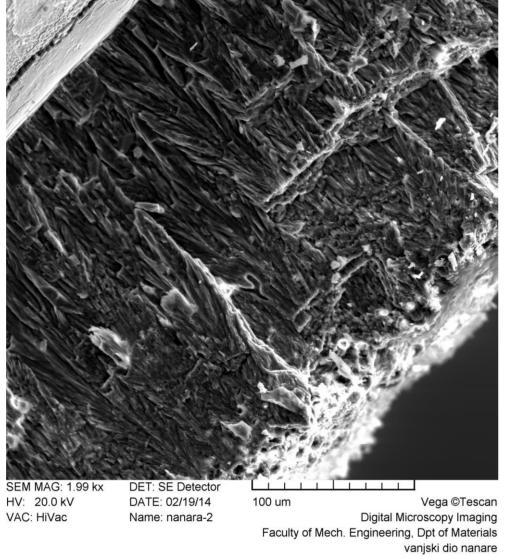


Limpet



Monodonta: inner layer, 9050 x

Nacre microstructure



Monodonta: outer layer, 1990 x

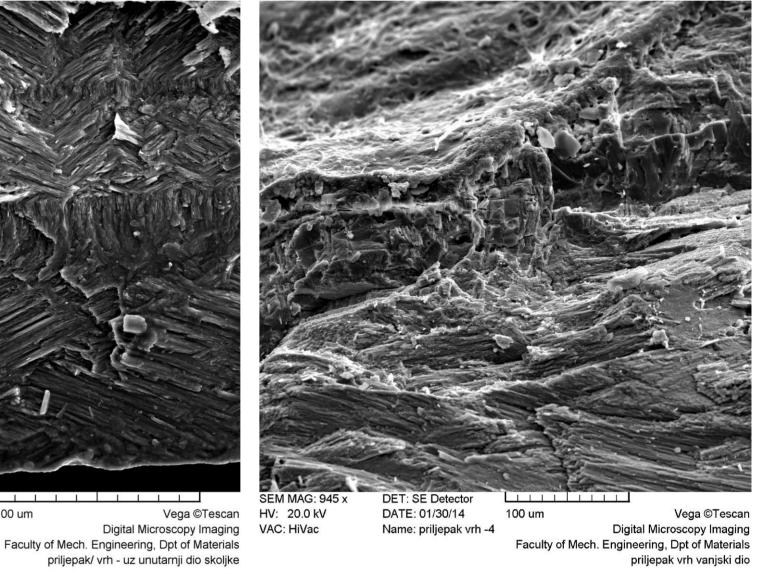
Limpet: inner layer, 2520 x

DATE: 01/30/14

Name: priljepak vrh -1

HV: 20.0 kV

VAC: HiVac



Limpet: outer layer, 945 x

Crossed lamellae microstructure

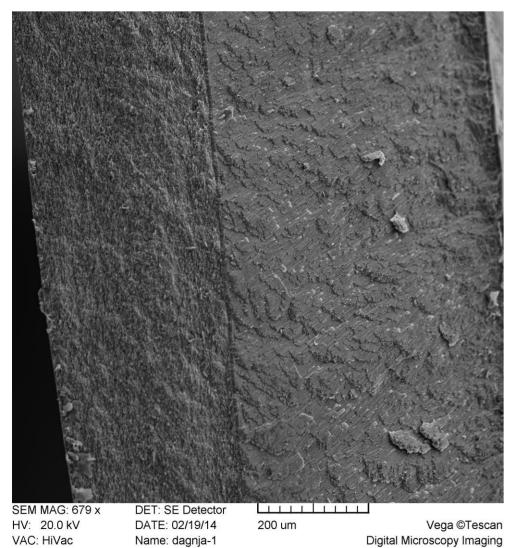
Crossed lamellae microstructure throughout the whole cross section



Mussel



Noble pen shell

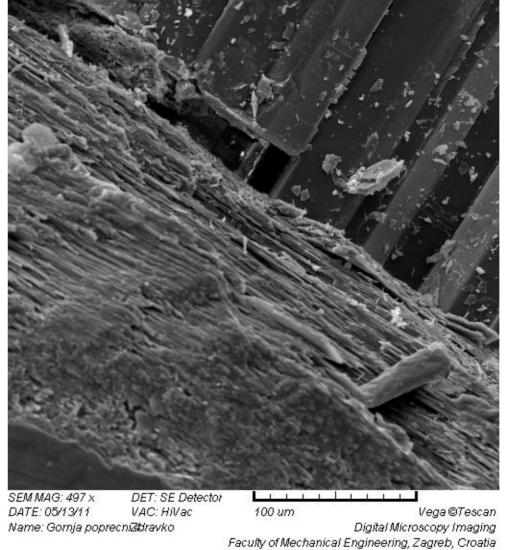


VAC: HiVac Name: dagnja-2 Digital Microscopy Imaging Faculty of Mech. Engineering, Dpt of Materials

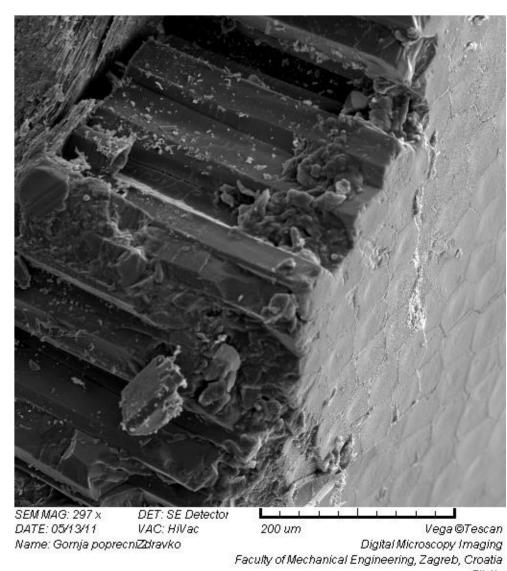
Mussel: inner/outer layer contact, 4820 x Mussel: inner/outer, 679 x

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Inside – Nacre vs. Outside - Fibrous prismatic microstructure



Noble pen shell: inner layer, 497 x Nacre microstructure



Noble pen shell: outer layer, 297 x Simple prismatic microstructure

Bio-inspired Materials, International School and Conference on Biological Materials Science, 18-21 March 2014, Potsdam, Germany