

Ankara University, Faculty of Agriculture , Department of Fisheries and Aquaculture, Programme of Fisheries and Aquaculture

# AQS421: Aquatic Invertebrates

Reference: Brusca, R. C., & Brusca, G. J. **Invertebrates**. 2003.  
Sunderland, MA: Sinauer Associates, 2.

AQS421: Aquatic Invertebrates	
<b>Week 1:</b> <ul style="list-style-type: none"> <li>Introduction</li> </ul>	<b>Week 8:</b> <ul style="list-style-type: none"> <li>Phylum Nemertea: The Ribbon Worms</li> <li>Blastocoelomates and Other Phyla</li> </ul>
<b>Week 2:</b> <ul style="list-style-type: none"> <li>Classification, Systematics and Phylogeny</li> </ul>	<b>Week 9:</b> <ul style="list-style-type: none"> <li>Phylum Annelida: The Segmented Worms</li> <li>Sipuncula and Echiura</li> </ul>
<b>Week 3:</b> <ul style="list-style-type: none"> <li>Animal Architecture and the Bauplan Concept</li> </ul>	<b>Week 10:</b> <ul style="list-style-type: none"> <li>The Emergence of the Arthropods: Onychophorans, Tardigrades, Trilobites, and the Arthropod Bauplan</li> </ul>
<b>Week 4:</b> <ul style="list-style-type: none"> <li>Animal Development, Life Histories, and Origins</li> </ul>	<b>Week 11:</b> <ul style="list-style-type: none"> <li>Phylum Arthropoda: The Crustacea</li> </ul>
<b>Week 5:</b> <ul style="list-style-type: none"> <li>The Protists</li> </ul>	<b>Week 12:</b> <ul style="list-style-type: none"> <li>Phylum Mollusca</li> </ul>
<b>Week 6:</b> <ul style="list-style-type: none"> <li>Phylum Porifera: The Sponges</li> <li>Phylum Cnidaria</li> </ul>	<b>Week 13:</b> <ul style="list-style-type: none"> <li>Lophophorates</li> <li>Phylum Echinodermata</li> </ul>
<b>Week 7:</b> <ul style="list-style-type: none"> <li>Phylum Ctenophora: The Comb Jellies</li> <li>Phylum: Platyhelminthes</li> </ul>	<b>Week 14:</b> <ul style="list-style-type: none"> <li>Other Deuterostomes</li> <li>Perspectives on Invertebrate Phylogeny</li> </ul>

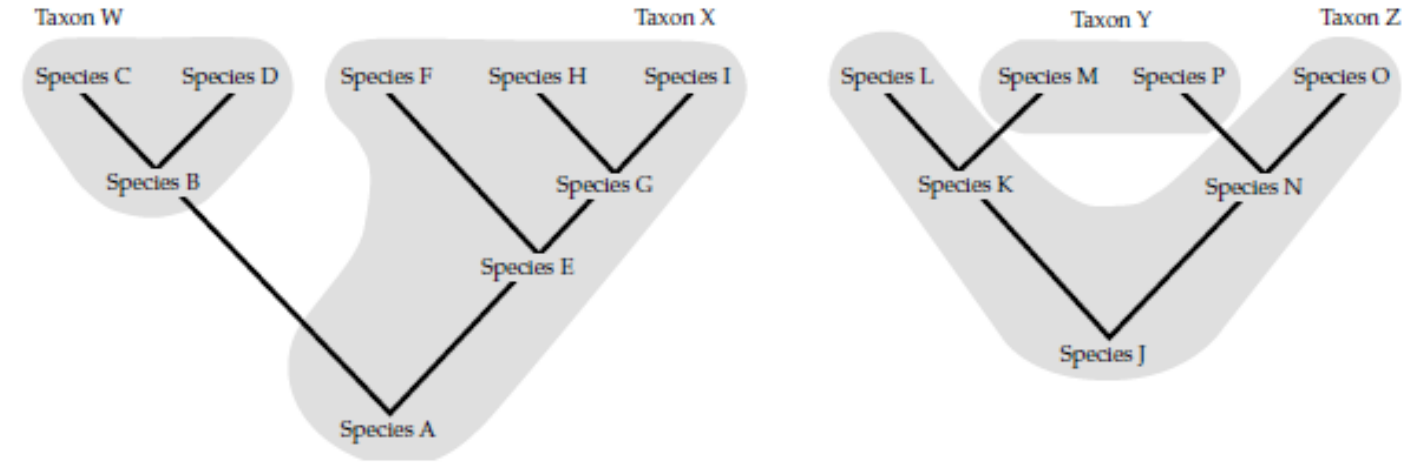
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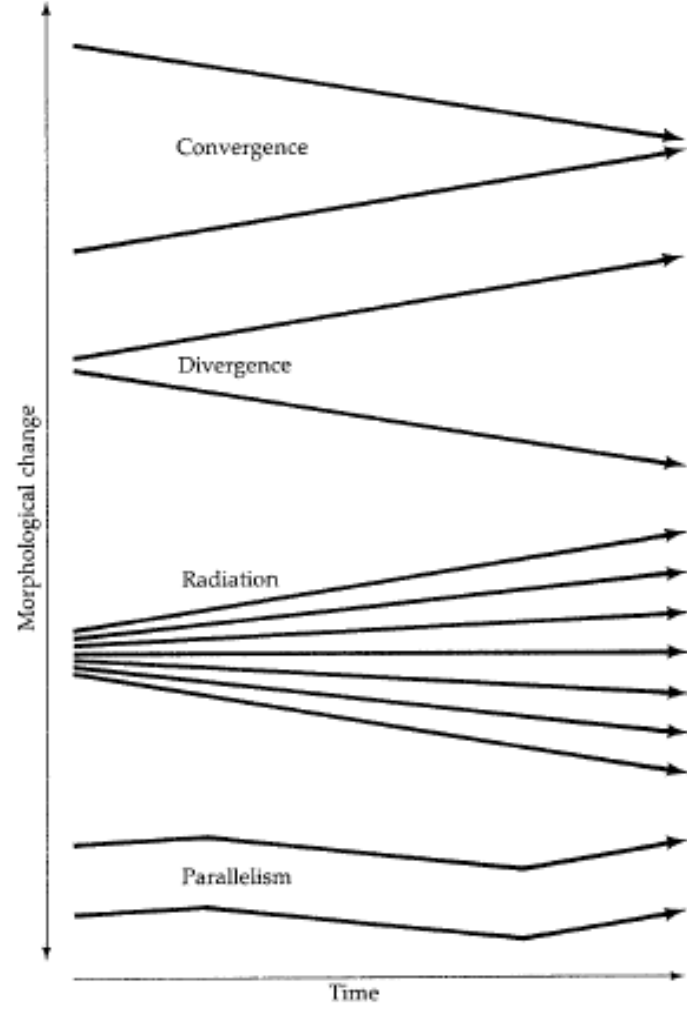
### 2. Week:

### Classification, Systematics and Phylogeny

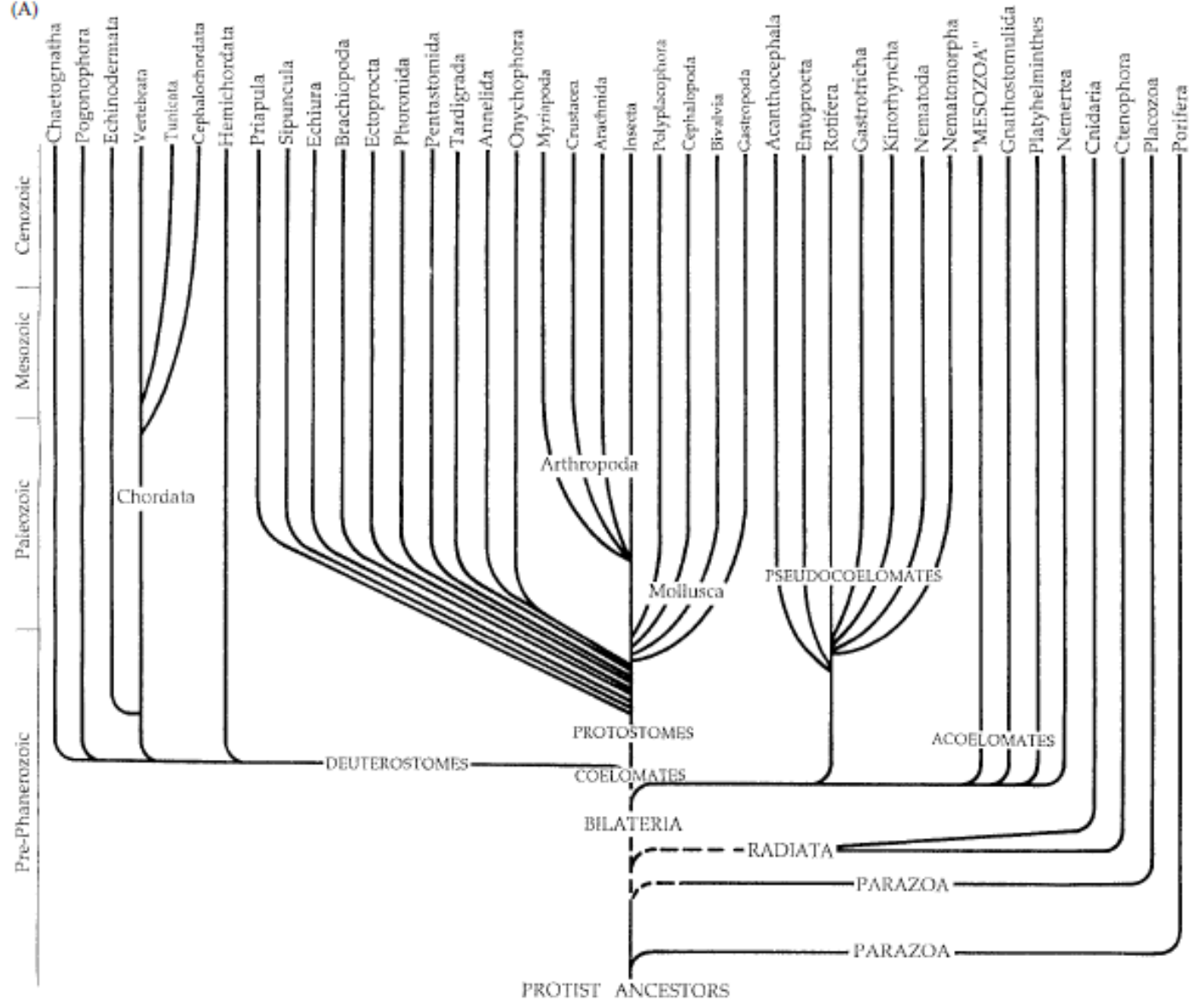
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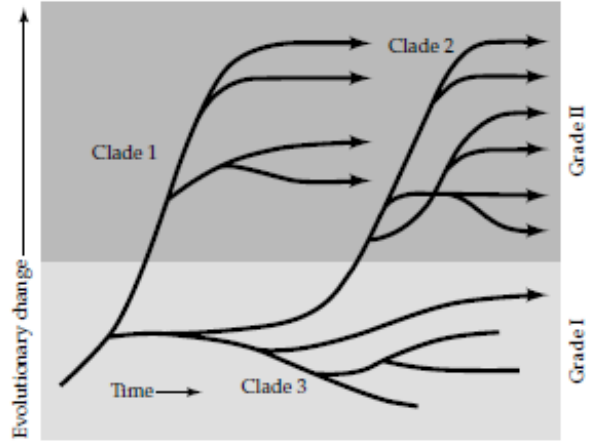
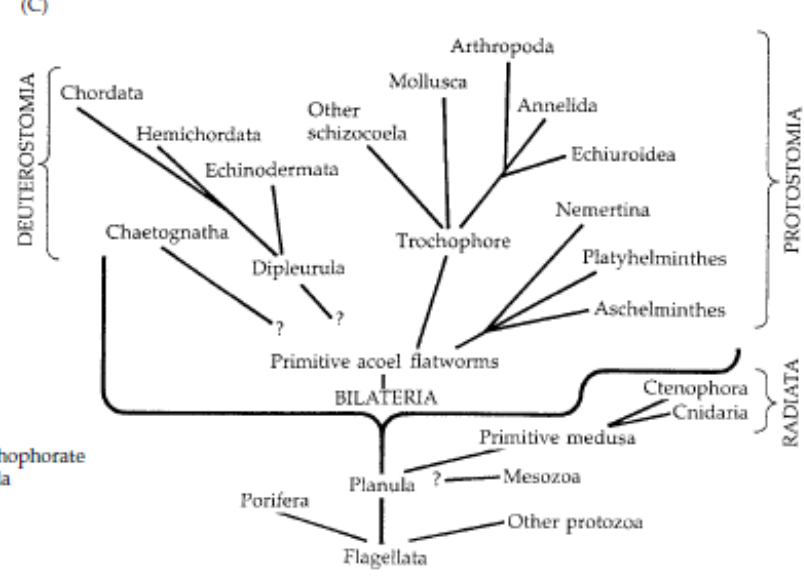
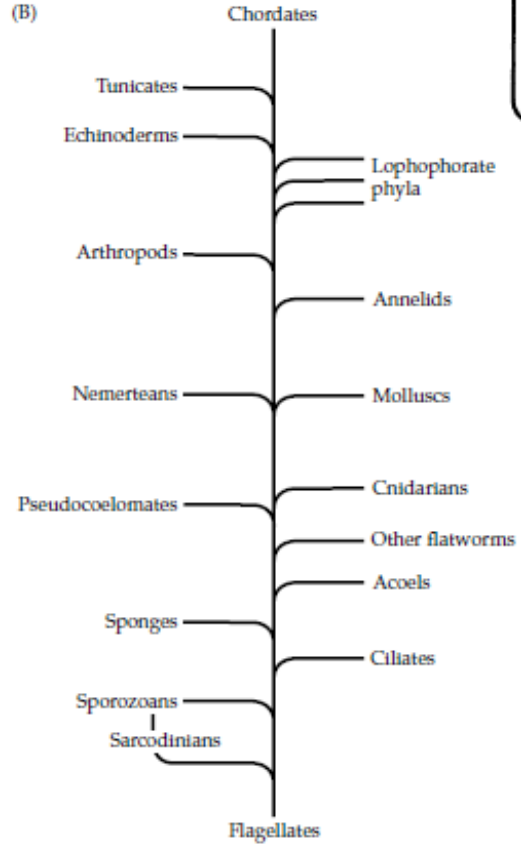


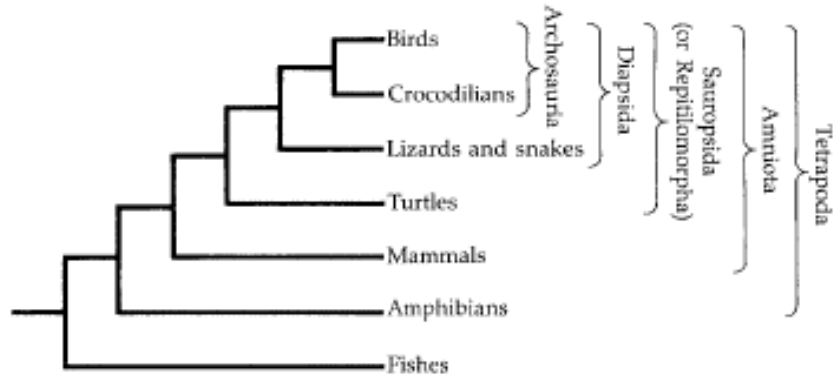
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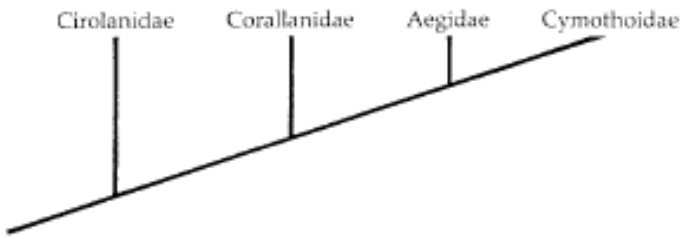
Classification scheme A

- Phylum Chordata
  - Subphylum Vertebrata
    - Class Pisces (fishes)
    - Class Amphibia (amphibians)
    - Class Reptilia (turtles, crocodilians, snakes, lizards)
    - Class Aves (birds)
    - Class Mammalia (mammals)

Classification scheme B

- Phylum Chordata
  - Vertebrata
    - Tetrapoda
      - Lissamphibia (amphibians)
    - Amniota
      - Mammalia (mammals)
    - Reptilomorpha
      - Anapsida (turtles)
      - Diapsida
        - Lepidosaura (snakes, lizards)
        - Archosauria
          - Crocodylia (crocodilians)
          - Aves (birds)





Classification scheme A

- Family Aegidae
- Family Cirolanidae
- Family Corallanidae
- Family Cymothoidae

Classification scheme C

- Family Cirolanidae
- Family Corallanidae
- Family Aegidae
- Family Cymothoidae

Classification scheme B

- Family Cirolanidae
- Family Corallanidae
  - Subfamily Corallaninae
  - Subfamily Aeginae
    - Tribe Aegini
    - Tribe Cymothoini