Abstract submission formatting guidelines

48th Meeting of the Western Society of Malacologists

Please follow these specific guidelines for submitting your abstract during the online meeting registration process.

During the online registration process, you will be asked to type in author names, affiliations and to copy and paste your abstract into the fields provided.

Abstract formatting: PLEASE format your abstract (250 words or less) exactly like the following example:

PHYLOGENY OF OYSTERS FROM GULF OF CALIFORNIA AND PACIFIC COAST OF WESTERN NORTH AMERICA WITH IMPLICATIONS FOR OSTREIDAE CLASSIFICATION

Douglas J. Eernisse -*1, Meredith Raith - 1, Erik M. Pilgrim – 2, Danielle C. Zacherl - 1

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Most oyster species worldwide have been extensively studied, but classification within Ostreidae Rafinesque 1815 has been controversial because proposed divisions are based on relatively few and variable morphological features. Meanwhile, most oyster molecular systematics studies have been too narrowly focused to address overall relationships within Ostreidae. Here we report the phylogenetic analyses of combined and separate mitochondrial 16S + COI data sets. Oysters representing about nine species were newly sampled from localities on either side of the Gulf of California and the Baja California Sur Pacific coast within México. We also included most available 16S or COI sequences from GenBank for Ostreidae, and newly added COI sequences for selected oysters from a previous study from more northern West Coast localities. One conclusion was that chomata features alone do not justify separating Myrakeena Harry, 1985 from Ostrea Linnaeus, 1758, and type species for this genus should revert to Ostrea angelica Rochebrune, 1895. Specifically, our analysis supports O. angelica as sister lineage of O. conchaphila Carpenter, 1857 + O. lurida Carpenter, 1864 nested within Ostreinae, and we have better

characterized the distribution of all three of these native western North American species. We also provide the first Pacific report of the Western Atlantic oyster, O. equestris Say 1834, which we found in Cabo San Lucas and Bahía Magdalena, Baja California Sur. Analysis of presently sampled species supports a deep separation of four lineages within Ostreidae, represented by the genera, Ostrea, Crassostrea Sacco, 1897, Saccostrea Dollfus & Dautzenberg, 1920 and Striostrea Vialov, 1936.

Formatting guidelines:

Title: Your title should be in ALL CAPS text, with 140 characters maximum (including spaces)

Example:

PHYLOGENY OF OYSTERS FROM GULF OF CALIFORNIA AND PACIFIC COAST OF WESTERN NORTH AMERICA WITH IMPLICATIONS FOR OSTREIDAE CLASSIFICATION

Author names: First and Middle Initial, Last Name. Left justified. Include a dash and a number following each author's name to identify their affiliation (see below). Include an asterisk next to the name of the author that will be presenting at WSM. If there is only one author please do not include a number to identify affiliation.

Example:

Douglas J. Eernisse -*1, Meredith Raith - 1, Erik M. Pilgrim – 2, Danielle C. Zacherl - 1

Affiliations: Include a number followed by a dash in front of each to identify the affiliation of each author. After the address of each affiliation, please use a semicolon and then list author email addresses, separated by semi-colons, as below. Please do not use a number to identify affiliation if the author or all authors are from the same institution.

Example:

1 - Department of Biological Science, California State University Fullerton, Fullerton, CA 92834 USA; deernisse@fullerton.edu; raithm@yahoo.com; dzacherl@fullerton.edu, 2 - Ecological Exposure Research Division, National Exposure Research Laboratory, U.S. Environmental Protection Agency, 26 West Martin Luther King Dr., Cincinnati, OH 45268 USA; pilgrim.erik@epa.gov

Abstract: Please keep your abstract to 250 words or less. Note that the formatting of scientific names will be lost when you copy and paste, so please do not worry about italicizing scientific names. We will format scientific names in the abstracts correctly for the meeting program.