Adding a biological association (e.g. host plant) in the World Auchenorrhyncha Database

A biological association requires four pieces of information: Source, OTU, biological relationship, and associated OTU. Before entering distribution, it is recommended to add a Source to the **Pin Board.** There are two ways to enter biological association record.

Option 1.

- 1. Use Browse nomenclature task. Search for a species name. By default, the page is loaded and redirected to the valid protonym name. If it is desirable to add distribution to a synonym, click on the synonym name in the list of History. The selected and active name will be listed at the top of **History**. All biological associations require two separate Taxa. For a new biological association, always start with the Hemipteran taxon.
 - οτυ [🛞 | 💿 🌀 and select the **Biological**

2. Use OUT quick form button associations sector



- 3. One the top, the OTU name is already selected.
- 4. Select source by using search box or if the source pinned, use blue Pin button to retrieve the source from the Pin Board. A source could also be selected from the list of Recently used Sources. Please make sure that the correct source is selected before entering the biological association. Once selected, the Source could be locked, and it will be used in the future for the next biological association entry even if the Taxon gets changed in the Browse nomenclature window.
- 5. Enter the **page number**. Use **Is original** option only if this is the first record for a particular biological association.
- 6. Select biological association type, for example, for the host plant record, select "feeds on" relationship. Once selected, the relationship could also be locked.
- 7. Select related OTU, for the host plant relationship, it will be the plant name. If the plant name is in the system already, it can be selected using the search box. If the plant name is not in the system, a new TaxonName with related OUT must be created before entering the biological association relationship record.

8. Once the related OTU is selected, the record is saved automatically. If the biological association already exists for this species, a new citation will be added to an existing record instead of creating a duplicate association record.

Option 2.

				Crea
Subject		Relationship	Related	
Otu CollectionObject		Quick Recent Pinboard	All S 6 Otu Collec	tionObject
Quick Recent Pinboa	d 🕥 🔒	Search	Q Quick Rec	ent Pinboard
Search	Q	feeds on parasitized by preved upon by s	symbiotically interacts with Search	
Crematogaster matsumurai Forel, 1	901 🗸		Crematogaster m	atsumurai Forel, 1901 🗸
O Femotyche hortorum Constant & Se	emeraro, 2024 🗸		C Fernotyche horton	um Constant & Semeraro, 2024 🗸
CLasius japonicus Santschi, 1941	(O Lasius japonicus S	antschi, 1941 🗸
O Pachycondyla chinensis (Emery, 18	95) 🗸		O Pachycondyla chi	eensis (Emery, 1895) ✓
Search O Cao, YH. (2014) Taxonomy and phyl	ogeny of the selected erythroneurine gene	ra Worldwide (Hemiptera: Cicadellidae: Typhlocybins	ae). Northwest A&F University, Yangling, China, 402 pp. PhD t	resis.
	tribution			
ask - New asserted dis				✓ Autosave
ask - New asserted dis New record Source		New Otu	Geographic area	Z Autosave
ASK - New asserted dis New record Source Quick Recent Pinboard	Cione in	New Otu at 6 Quick Recent	Geographic area	Z Autosave
ASK - New asserted dist New record Source Quick Recent Pinboard Search	Cione is	New Otu st 6 Quick Recent Q. Select an OTU	Pinboard Geographic area	Recent Pinboard Map
ASK - New asserted dist New record Source Quick Recent Pinboard Search Cao, YH. (2014) Taxonomy and phylog	Clone la eny of the selected arythroneurine genera W	New Otu at 6 Quick Recent Q Select an OTU ortdwide (Belbillus indicus Viraktan	Pinboard 6 Quick Quick Search math & Wesley, 1988 V OKerala	Recent Pinboard Map

2. The task has 4 areas to select the Source, Subject OTU, Relationship, Related OTU. Enter Homopteran name in the **Subject OUT** and related name (host plant) in the **Related OTU** selector. Lock could be used in all four sections. Once all four are selected, push **Create** button to save the record.

The distribution record once updated will be automatically visible in the Browse OTU page and in the public TaxonPages.