

List of Dissertation Abstract (Environment and Natural Sciences)

Name	Supervisor	Title	Abstract
Atsuko OHIRA	Taizo NAKAMORI	Colour patterns and genetic distances within <i>Morulina gilvipunctata</i> (Collembola: Neanuridae)	<i>Morulina gilvipunctata</i> (Collembola: Neanuridae) features yellowish dots on a dark blue dorsum. Two subspecies (<i>M. g. gilvipunctata</i> , <i>M. g. irrorata</i>) have been previously described from Japan, based on differences in colour patterns. However, details colour patterns of specimens other than <i>M. g. gilvipunctata</i> and <i>M. g. irrorata</i> are not described and the diagnostic validity of colour pattern has not been examined by genetic analysis in <i>Morulina</i> . In this study, I recognised a total of seven colour patterns. Genetic distances were closer within the same patterns than among different patterns. Therefore, I suggest that each colour pattern reflects genetic differentiation and can be used to diagnose <i>M. gilvipunctata</i> subspecies.