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عنوان مقاله:

Introduce and role of Ground Beetles (Coleoptera:Carabidae) in environment and sustainable agriculture

محل انتشار:

کنفرانس علوم کشاورزی و محیط زیست (سال: 1392)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

By considering various role of carabid beetles including their ability to reduce pest population, weed control, clean up the environment and Biological indicators in different ecosystems and their adaptation and distribution in large geographical areas , we need to study and recognize their fauna in each area.For this reason, research has been made carabid beetles fauna in several ecosystems of Marvdasht city during the 2011-2012 years, Using pitfall trap and collection by hand. Based on this research there are 34 species in 18 genus which belongs to 11 tribes and 10 subfamily were found as below.The identifications were confirmed by Dr.Ron F.F.L.Felix from Netherlands.1.Subfamily : Brachininae , Brachinus (Brachinus) ejaculans (Fischer von Waldheim, 1828), Brachinus (Brachinus) plagiatus (Reiche 1868), 2 Subfamily : Broscinae, Broscus punctatus (Dejean,1828), 3.subfamily: Harpalinae, Harpalus (Pseudoophonus) rufipes (DeGeer,1774), Harpalus (Pseudoophonus) griseus (Panzer,1796), Anisodactylus (Pseudodichirus) intermedius (Dejean,1829), Stenolophus (Stenolophus) discophorus (Fischer, 1823),4. Subfamily : Lebiinae : Platytarus faminii (Dejean,1826), Mirolestes fulvibasis (Reitter,1901), Mirolestes plagiatus (Duftschmid,1812), Apristus subaeneus (Chaudoir, 1846), 5.Subfamily: Licininae : Chlaenius festivus (Panzer,1796), Chlaenius (Epomis) amarae (Andrewes,1924), Chlaenius (Chlaenites) apoliatus (Rossi,1792), 6.Subfamily: Platyninae : Calathus (Calathus) fuscipes (Goeze,1777), Calathus cinctus (Motschulsky,1850), Calathus libanensis pluriseriatus (Putzeys,1873), Calathus (Calathus) syriacus (Chaudoir,1863), 8.Subfamily : Pterostichinae (Bonelli, 1810), Poecilus (Angoleus) wollastoni (Wollaston , 1854), 8.Subfamily :Scaritinae : Scarites (Paralellomorphus) terricola persicus (Chaudoir,1842), Scarites procerus eurytus (Fischer von Waldheim,1828), Distichus (Distichus) planus (Bonelli, 1813), Dyschirius (Dyschiriodes) cariniceps (Baudi di Selva, 1864),9. Subfamily : Siagoninae : Siagona europaea (Dejean 1826), 10. Subfamily : Trechinae : Bembidion (Ocydromus) megaspilum (Walker,1871), Bembidion (synechosticctus) moschatum (Peyron,1858) ,Bembidion (Chorodium) elbursicum (Netolitzky,1939),Bembidion (Notaphus) varium (Olivier,1795), Bembidion quadripustulatum iraniculum (Jedlicka,1963),Tachyura bodemeyeri (A. Fleischer, 1915), Tachyura decolorata (Chaudoir,1850), Tachyura diabrachys (Kolenati,1845), Tachyura diabrachys (Kolenati,1845), Trechus (Trechus) quadristriatus (Schrank, 1781).

کلمات کلیدی:

carabid beetles ,Biological indicators,pitfall trap, Agricultural ecosystems,Marvdasht

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