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**Title:** New water molds for mycoflora of IRAN  
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**Abstract:** In a survey on water molds of different regions of Mazandaran, some water samples subjected to baiting with sterilized hemp and sesame seeds. Isolated fungi purified after culture on agar plates. For zoosporangia and oogonia production, five millimeters agar disks containing fresh mycelium transfered to petri plates filled with distilled water. After zoosporangia and oogonia production the microscopic characteristics were studied and after thier coincidence with valid identification key (T. W. Johnson &nbsp; et al. 2002), the below species and genus were distinguished: 1-Achlya recurva; Sporangia clavate or fusiform, renewed sympodially. Spores monomorphic; discharge and behavior aehyloid, occasionally aplanoid; primary spore cysts 9-12 µm in diameter. Gemmae rare. Oogonia lateral, rarely tersninal, very rarely intercalary; spherical, 45-86 µm in diameter. Oogonial wall unpitted; truncate and thin-walled at the apex. Oosposes eccentric; spherical; 4-9 per oogonium, 16-33 µm in diameter. Antheridal branches androgyrous, rarely monoclinous, very rarely diclinous, persisting. 2-The genus Dictyuchus; spore monomorphic, encysting within the sporangium and subsequently emerging individually from the cysts as reniform planonts, leaving the empty sporangium net-like; sporangium wall remaining intact and cysts being angular, or deliquescing, with the adhering cysts becoming rounded. cysts in more than single row in sporangium but occasionally in a single row. the sporangium diameter are 55-830 ? 12-36 µm. The genus Dictyuchus sp. and the Achlya recurva are new records for mycoflora of Iran.  

Water molds, Oogonia, Zoosporangia,Mazandaran.  

**Presentation:** Poster  
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