

Gravity Related Research with Aquatic Animals - Overview and Perspectives towards Exploratory Missions

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Gravity related research with aquatic animals has not only a long tradition in manned and unmanned space flight, but also in ground based research using clinostats and centrifuges.

In this presentation an overview will be given starting from the early beginning with such experiments (Skylab, Apollo-Soyuz etc.) up to today's flight experiments and ground based studies.

In addition verification will be presented how this research contributes to Earth's benefits and application as well as an outlook will be given how potential follow-up studies may contribute in manned exploratory missions on Earth, Moon, Mars and maybe beyond.

This review will summarize results obtained and will try to transfer them into future perspectives in space exploration.