Dear Editor-in-Chief,

On behalf of all co-authors I would like to introduce the manuscript entitled Continuous noninvasive measuring of crayfish cardiac and behavioral activities I am submitting to the JoVE.

The approach described in manuscript has good utility for water quality assessment and for laboratory etho-physiological studies. The biomonitoring system is inexpensive, has relatively few components and allows long-term continuous simultaneous monitoring of cardiac and behavioral activities of multiple crayfish. The method we proposed is now applied at the local brewery for controlling quality of water used for beverage production, we therefore believe that our method could be of interest not just for biologists or adjacent fields who could apply it for various laboratory investigations of large invertebrates, but for people dealing with industrial water quality issue too.

Thank you very much in advance for your consideration