



## Action Required, to Preserve and Protect

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### Editorial

The attraction of this new publication venue, the Journal of Biodiversity, Bioprocessing and Development, is the opportunity to more frequently engage with peers around the world in discussions of our precious biodiversity—originally introduced and championed by then US National Science Foundation Director, Dr. Rita Colwell—and to better recognize the ubiquitous challenges of bioprocessing dictated by the interactions at the boundaries, the so-called biosurfaces, separating the phases. Welcome to the discussions!

In spite of all the attention that has been paid over the years to volumetric distributions of microbes, for example, there is increasingly accepted evidence that most of their actions are fostered by their concentrations in wall-based structures that recently departed Dr. William Costerton called biofilms. Poorly coordinated vocabularies still cause confusion about these structures, their organizations, and persistence in real world environments—all important to issues of dominance and distribution in Nature and commerce.

Manuscripts are invited ranging from concerns about ballast tank biofilms of ocean-transiting ships to fixed-film bioprocessing of reagents for needed medical procedures. Manuscripts are invited that deal with the biosurface conditions of dairy pasteurizers and boat bottoms, and of the natural materials we would hope to both preserve and emulate. Osseointegration, a widely misunderstood term originally introduced in Sweden, for example, that underlies the 8 million or more successful dental implants that will be placed this year, might be discussed with regard to the current generation of artificial hips that have generated a \$4 billion offer for settlement of their failure claims. What are the fundamental principles we should be hewing to? Can we do more than wish about the breaking down of the silos separating the professions?

Join us in the conversation, by submitting your own study results and comparing them with findings of your international peers. I will do the same. Thanks!