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Title:	Protocol for bioelectrochemical enrichment, cultivation, and characterization of extreme electroactive microorganisms
Authors:	Singh, Ramandeep (/jspui/browse?type=author&value=Singh%2C+Ramandeep) Chaudhary, Srishti (/jspui/browse?type=author&value=Chaudhary%2C+Srishti) Yadav, Sukrampal (/jspui/browse?type=author&value=Yadav%2C+Sukrampal) Patil, Sunil A. (/jspui/browse?type=author&value=Patil%2C+Sunil+A.)
Keywords:	Bioelectrochemical Electroactive microorganisms
Issue Date:	2022
Publisher:	Elsevier
Citation:	STAR Protocols, 3(1), 43466
Abstract:	Electroactive microorganisms (EAMs) are a group of microbes that can access solid extracellular electron donors or acceptors via extracellular electron transfer processes. EAMs are useful in developing various microbial electrochemical technologies. This protocol describes the use of bioelectrochemical systems (BESs) to enrich EAMs at the cathode from an extreme haloalkaline habitat. It also provides information for a detailed characterization of enriched cathodic biofilms via various cross-disciplinary techniques, including electrochemical, analytical, microscopic, and gene sequencing techniques.
Description:	Only IISER Mohali authors are available in the record.
URI:	<a href="https://doi.org/10.1016/j.xpro.2021.101114">https://doi.org/10.1016/j.xpro.2021.101114</a> ( <a href="https://doi.org/10.1016/j.xpro.2021.101114">https://doi.org/10.1016/j.xpro.2021.101114</a> ) <a href="http://hdl.handle.net/123456789/4881">http://hdl.handle.net/123456789/4881</a> ( <a href="http://hdl.handle.net/123456789/4881">http://hdl.handle.net/123456789/4881</a> )
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