

Microbiologically Influenced Corrosion Handbook, 1994, Industrial Press Inc., 1994, 288 pages, 9780831130565, Susan Watkins Borenstein

Microbiologically Influenced Corrosion pp 29-71 | Cite as. Microbiologically Influenced Corrosion (MIC). Chapter. 2.1k Downloads. Part of the Engineering Materials and Processes book series (EMP). Abstract. One type of corrosion that can be very harmful to almost all engineering materials is what is called microbiologically influenced corrosion, or briefly, MIC. The term MIC is misleading into the idea that it is only micro-organisms that are capable of influencing corrosion, in fact, biofouling which is a more general term can be used to study both the microbiological and macrobiological grow Microbiologically influenced corrosion (MIC) is a kind of electrochemical corrosion that is enhanced by the effect of certain microorganisms including sessile bacteria. In this investigation, more than 200 samples collected from different more. Microbiologically influenced corrosion (MIC) is a kind of electrochemical corrosion that is enhanced by the effect of certain microorganisms including sessile bacteria. In this investigation, more than 200 samples collected from different systems of Iranian refineries have been examined (by culturing methods and observations) for corrosion-enhancing, Purchase Microbiologically Influenced Corrosion Handbook - 1st Edition. Print Book & E-Book. ISBN 9781855731271, 9781845698621.Â Introduction to microbiologically influenced corrosion; Microbiology; Metallurgy; Electrochemistry; Case histories; Detection, diagnosis and monitoring; Prevention; Mitigation; Testing. Description. MIC (microbiologically influenced corrosion) is the deterioration of metal by corrosion processes that occur either directly or indirectly as a result of the activity of living organisms. This handbook explains the interdisciplinary nature of MIC - the roles of microbiology, metallurgy and electro-chemistry are interrelated and complex.