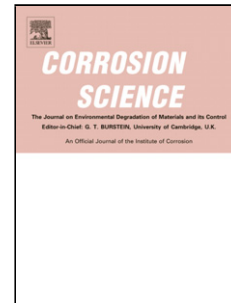


## Accepted Manuscript

Title: Effect of the Fungus, *Aspergillus Niger*, on the Corrosion Behaviour of AZ31B Magnesium Alloy in Artificial Seawater

Author: Qing Qu Lei Wang Lei Li Yue He Min Yang  
Zhongtao Ding



PII: S0010-938X(15)00233-4  
DOI: <http://dx.doi.org/doi:10.1016/j.corsci.2015.05.038>  
Reference: CS 6325

To appear in:

Received date: 20-1-2015  
Revised date: 13-5-2015  
Accepted date: 16-5-2015

Please cite this article as: Q. Qu, L. Wang, L. Li, Y. He, M. Yang, Z. Ding, Effect of the Fungus, *Aspergillus Niger*, on the Corrosion Behaviour of AZ31B Magnesium Alloy in Artificial Seawater, *Corrosion Science* (2015), <http://dx.doi.org/10.1016/j.corsci.2015.05.038>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Research Highlights:**

- ▶ Effect of *Aspergillus niger* on the corrosion of AZ31B magnesium alloy was studied.
- ▶ *Aspergillus niger* clearly decreased the pH and  $E_{\text{corr}}$  values.
- ▶ Adsorption of *Aspergillus niger* on AZ31B alloy promoted the pitting corrosion.
- ▶ The presence of *Aspergillus niger* posed a threat for AZ31B alloy.

Download English Version:

<https://daneshyari.com/en/article/7895327>

Download Persian Version:

<https://daneshyari.com/article/7895327>

[Daneshyari.com](https://daneshyari.com)