

Volume 20, Number 4 April 25, 2023 ISSN:1097-8135

Life Science Journal



 **MARSLAND PRESS**
Multidisciplinary Academic Journal Publisher

Website:
<http://www.lifesciencesite.com>

Emails:
editor@sciencepub.net
lifesciencej@gmail.com

Life Science Journal

Acta Zhengzhou University Overseas Edition

Marsland Press
39-06 Main Street, #1608,
Flushing, NY 11354, USA

Website:
<http://www.lifesciencesite.com>

Emails:
editor@sciencepub.net
lifesciencej@gmail.com

Telephones:
(718) 404-5362; (347) 321-7172

Cover design: MA, Hongbao
Photograph: YOUNG, Mary

Copyright © 2023 Marsland Press / Zhengzhou University

ISSN 1097-8135



9 771097 1813002