
Nano-Micro Sensors and Systems in Healthcare and Environmental Monitoring

Editors:

A. Khosla

S. Mitra

P. Sekhar

A. Simonian

P. Vanýsek

G. Hunter

P. Hesketh

H. Furukawa

A. K. Pradhan

V. K. Varadan

M. C. B. Almonte

S. Bhansali

A. M. Parameswaran

M. Yasuzawa

R. Van Staden

S. Kassegne

E. M. Sabolsky

M. Bayachou

J.-W. Choi

Sponsoring Divisions:



Sensor



Organic and Biological Electrochemistry



Published by

The Electrochemical Society

65 South Main Street, Building D
Pennington, NJ 08534-2839, USA

tel 609 737 1902

fax 609 737 2743

www.electrochem.org

ecstransactions™

Vol. 66, No. 37

Copyright 2015 by The Electrochemical Society.
All rights reserved.

This book has been registered with Copyright Clearance Center.
For further information, please contact the Copyright Clearance Center,
Salem, Massachusetts.

Published by:

The Electrochemical Society
65 South Main Street
Pennington, New Jersey 08534-2839, USA

Telephone 609.737.1902
Fax 609.737.2743
e-mail: ecs@electrochem.org
Web: www.electrochem.org

ISSN 1938-6737 (online)
ISSN 1938-5862 (print)
ISSN 2151-2051 (cd-rom)

ISBN 978-1-62332-302-8 (Soft Cover)
ISBN 978-1-60768-660-6 (PDF)

Printed in the United States of America.

ECS Transactions, Volume 66, Issue 37

Nano-Micro Sensors and Systems in Healthcare and Environmental Monitoring

Table of Contents

<i>Preface</i>	<i>iii</i>
(Plenary) Printed Electrochemical Instruments for Biosensors <i>V. Beni, D. Nilsson, P. Arven, P. Norberg, G. Gustafsson, A. P. F. Turner</i>	1
Fabrication of Polysaccharide-Based Nanoparticles as Drug Delivery Nanocarriers <i>S. C. Pang, S. F. Chin, A. Nadirah, S. H. Tay, S. N. A. Mohd Yazid</i>	15
Nanostructured Sensors for Determination of 3-(3,4-Dichlorophenyl)-1,1-Dimethylurea Based in Molecularly Imprinted Polymers (MIPs) Deposited in Screen Printed Carbon Nanotubes <i>R. Fernández-Cori, J. C. Morales Gomero, B. C. Huayhuas-Chipana, M. D. P. Taboada Sotomayor, J. G. Ruiz Montoya</i>	33
(Invited) Refractory Ceramic Sensors for Process and Health Monitoring of Slagging Gasifiers <i>E. M. Sabolsky, R. Chockalingam Pillai, K. Sabolsky, G. A. Yakaboylu, B. Armour, A. Teter, M. Palmisiano, T. Close</i>	43
Author Index	55