Chemical Engineering and the Law Forum 2013

Core Programming Area at the 2013 AIChE Annual Meeting: Global Challenges for Engineering a Sustainable Future

San Francisco, California, USA 3 – 8 November 2013

ISBN: 978-1-63439-034-7

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2013) by AIChE All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact AIChE at the address below.

AIChE 3 Park Avenue New York, NY 10016-5991

Phone: (203) 702-7660 Fax: (203) 775-5177

www.aiche.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA

Phone: 845-758-0400 Fax: 845-758-2634

Email: curran@proceedings.com Web: www.proceedings.com

TABLE OF CONTENTS

(71a) I'm a Chemical Engineer. Why Should I Become a PE?	1
William R. Parrish, Cory D. Jensen	
(71b) Fundamentals of Engineering Examination and Enhancing Student Performance	2
(71c) The New Computer-Based FE Exam for Chemical Engineers Davy McDowell	3
(71d) Licensure – An Academic Perspective	4
(71e) Use of the Fundamentals of Engineering Exam As An Engineering Education Assessment Tool	5
(427a) Metal Recovery From Spent Catalyst By Means of Biotechnological Strategies to Scale-Up Studies	6
Varsha Bisht, Bina Singh, Priyangshu M Sarma, Ajoy K. Mandal, Banwari Lal	
(427b) Synthesis of P25 Doped CoFe2O4/Graphene Magnetic Catalyst and Its High-Performance Photocatalytic Activities Under Visible Light Irradiation	7
(427c) Removal of Cr(VI) From Aqueous Solutions By Self-Flocculating Yeast	8
(427d) Speciation of Chromium Adsorbed On Activated Carbon and Stabilization of Lime Precipitated Chromium Residue With Activated Carbon	9
Lei Mao, Shitang Tong, Mingxia Fan, Charles Q. Jia	
(427e) Blue Preserve – Recovery Of Oil Spilled In Sea A Review	,11
(427f) An Eco-Friendly Technology for Metal Dissolution Using Biologically Produced Acid From Chelated Exhaust Catalyst Using Acidithiobacillus Thiooxidans and Its Kinetic Aspect	12
(427h) Detoxification of Halogenated Aromatic Compounds By Anaerobic Cultures	13
(427i) Screening for Efficient Hydrocarbon Degradation By Bacterial Isolates From Crude Oil	
Contaminated Sites of Assam, India	14
Aloke Kumar Ghoshal	
Author Index	