

Journal of Science & Technology **Transaction on: Chemical Engineering**

October-November

Editor-in-Chief: Abolhassan Vafai

This Journal is published under the auspices of Sharif University of technology, Office of the Vice-Chancellor-in-Charge of Research.

The Journal is published every two months in Farsi language, aims at establishing a relationship between scientists active in different branches of science and technology and, in particular, at providing a forum for exchange of knowledge between scientists and technologists related to scientific problems prevailing in contemporary society. The journal also strives to present practical and theoretical analyses of these issues and facilitates the circulation of modern scientific findings by scientists and researchers for practical application. In addition, "Sharif" publishes papers focusing on issues of specific concern to universities, including research, technological advancements, and topics related to matters of higher education.

P.O.BOX 11155-8639 AZADI AVENUE, TEHRAN, I.R. IRAN
Phone: (98-21) 66005419 - 66164093 Fax: (98-21) 66012983
Web: http://www.sharifjournal.ir/ E-mail: pajouhesh@sharif.edu

- 3 MODELING THE GROWTH KINETIC OF YEAST BBRC-9026 ON PHENOL F. Amiri, S. Yaghmaei and S. Samie
- 9 STUDY OF ORGANIC POLLUTANTS IN TEHRAN GROUND WATER Z. Tooyserkani, J. Shayegan and A. Sadeghi
- 15 OPTIMIZATION OF OXIDATIVE COUPLING OF METHANE OVER PEROVSKITE CATALYST AND OCM KINETICS MODELING BY GENETIC ALGORITH

Sh. Mokhtari, A.Vatani, N.R. Farooji and V. Eslamimanesh

25 MMP DETERMINATION BY PARACHOR METHOD AND COMPARISON WITH ANALYTICAL METHOD

S.F. Aghamiri and S.H. Sadraee

RESEARCH NOTE

35 VOLUME FLOW RATE AND BED DEPTH EFFECTS OF CARBON ACTIVE RESIN IN BENZOIC ACID ADSORPTION

S. A. Ghorbanian, S. R. Radpour, H. Abolghasemi and M.A. Mousavian

41 UNSTEADY SOLUTION OF THE LINEAR AND NONLINEAR PRESSURE EQUATION IN SINGLE-PHASE OIL RESERVOIRS, USING THE GREEN ELEMENT METHOD

E.B. Delijani and S.M. R. Pishvaie

47 $\,$ KINETICS MODEL OF ULTRA DEEP HDS REACTION FOR GAS OIL FRACTION

S. Shokri, M. Tajerian, M. Mohammady, H. Ganji, A. Dehghani and H. Javaherizadeh

APPENDIX

58 ABSTRACTS OF PAPERS IN ENGLISH