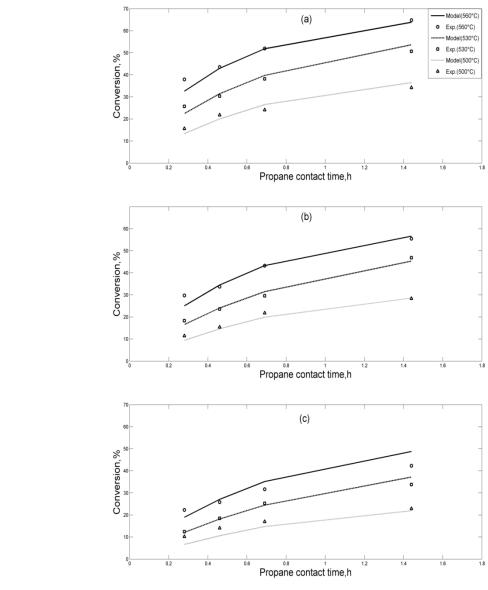
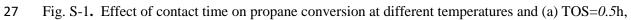
1	SUPPLEMENTARY MATERIAL
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3	Kinetic study of propane aromatization over Zn/HZSM-5 zeolite under conditions of
4	catalyst deactivation using genetic algorithm
5	ABBAS ROSHANAEI and SEYED MEHDI ALAVI *
6	Reaction Engineering Lab., Chemical Engineering Department, Iran University of Science
7	and Technology, P.O.Box16765-163, Tehran-Iran
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16	Table S-I. Propane conversion, aromatics selectivity and yield on the ion exchanged and impregnated
17	Zn/HZSM-5 catalysts for propane aromatization. (reaction conditions: $T=560^{\circ}$ C, space velocity=500
18	cc $g_{cat}^{-1}h^{-1}$ , TOS=0.5h, P=1atm, feed composition=50 mol% propane)

catalyst	Propane conversion,%	Aromatics selectivity, %	Aromatic yield, %
Ion Ion exchanged Zn/HZSM-5 with 0.01 M solution of zinc nitrate	55.1	59.7	32.9
Ion exchanged Zn/HZSM-5 with 0.02 M solution of zinc nitrate	63.2	63.6	40.2
Impregnated Zn/HZSM-5	64.8	67.0	43.4

<sup>\*</sup>Corresponding author. E-mail: alavi.m@iust.ac.ir





<sup>28 (</sup>b) TOS=11h, (c) TOS=21h.