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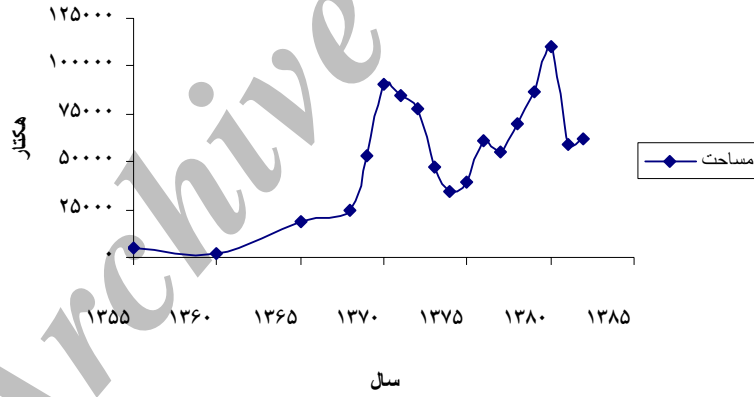
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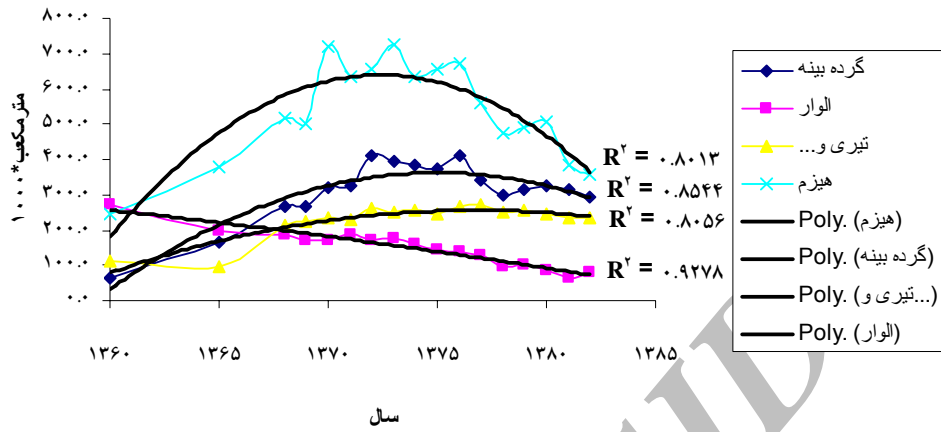


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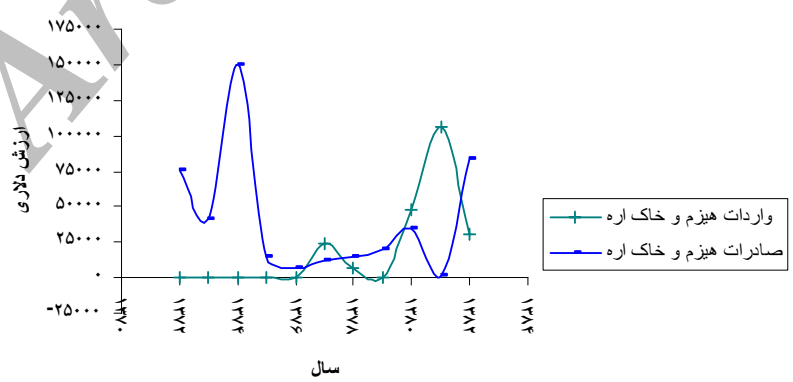
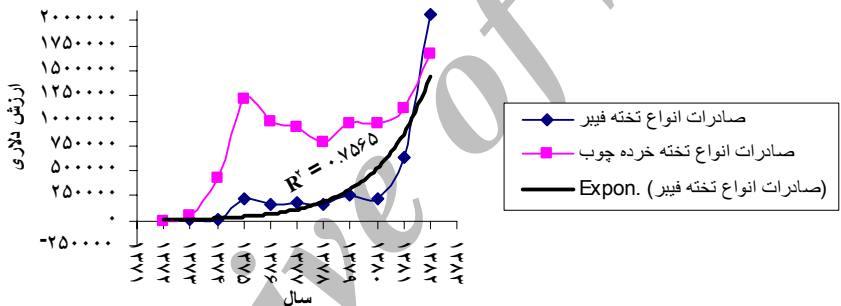
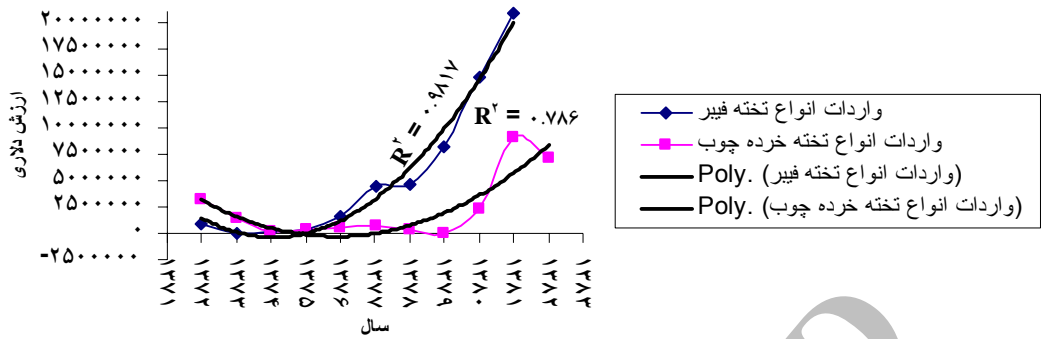
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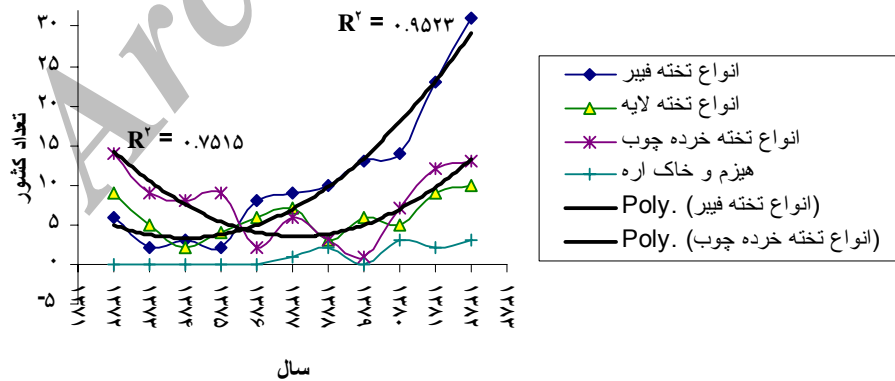
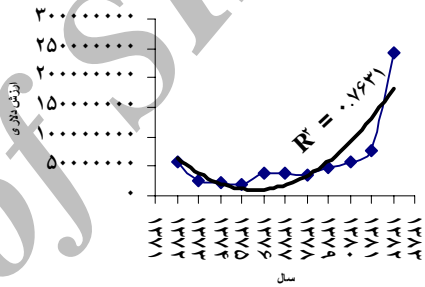
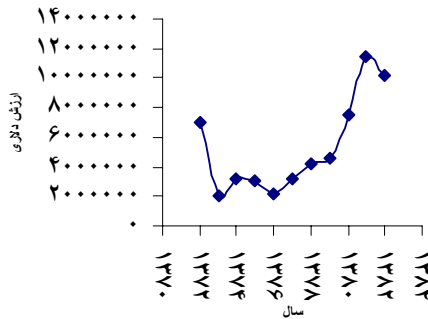
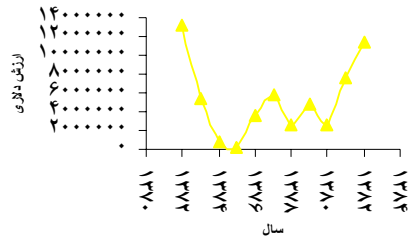
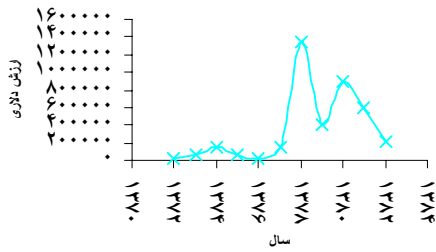
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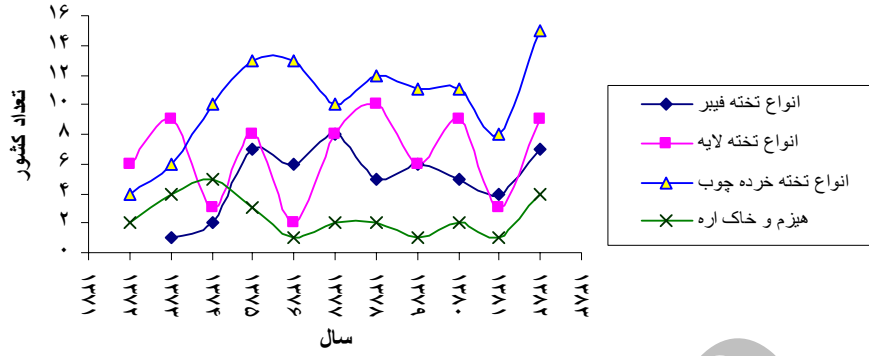

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23- Aquino, C., 2003, Market opportunities for commercially thinned small diameter Douglas-Fir trees, University of British Columbia, wood 465, section 001.

24- Becker, D.,....., Lumber recovery from small diameter ponderosa pine in northern Arizona, pacific northwest research, southern research station.

25- Ding, M, Hsieh. D, 2003, Marketing strategy for railing materials made of small-diameter Douglas-Fir (SDDF), report for wood 465, department wood science the university of British Columbia.

26- Forest product laboratory, 2000, Forest product laboratory research program of small-diameter material, Gen. Tech. Rep. FPL-GTR-110 (Rev.), Madison, WI. U. S. Department of agriculture, forest service, forest product laboratory, 31p.

27- Howard, J, 2001, U. S. timber production, trade, consumption and price statistics 1965-1999, Res. Pap. FPL-RP-595, Madison, WI. U. S. Department of agriculture, forest service, forest product laboratory.

28- Patterson. D, *et al.*, 2002, Economic feasibility of producing inside-out beams from small-diameter logs, forest products journal, USA. Vol. 52. No.1.

29- Spelter, H. Wang. R. Ince. P, 1996, Economic feasibility of products from inland west small-diameter timber, Gen. Tech. Rep. FPL-GTR-92, Madison, WI. U. S. Department of agriculture, forest service, forest product laboratory.

## Economical assessment of poplar small-diameter timber and marketing of its wood products

Ali Bayatkashkoli<sup>\*1</sup>, Saeed Ameri<sup>2</sup>, Mehdi faezipour<sup>3</sup>, Kazem Dousthoseyni<sup>4</sup>

<sup>1</sup> Assistant Professor, Science and Wood Technology Department, University of Zabol, I.R. Iran

<sup>2</sup> Associate Professor, Science and Wood Technology Department, University of Tehran, I.R. Iran

<sup>3</sup> Professor, Science and Wood Technology Department, University of Tehran, I.R. Iran

<sup>4</sup> Professor, Science and Wood Technology Department, University of Tehran, I.R. Iran

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### Abstract

Small diameter timber (SDT) have 5-10 cm diameter and there are many of them in Iran and all over the world. SDP are utilizing in wood product industries. Library information collected from five Iranian organizations and data processing were conducted on the information. Statistical analysis and Mann-Whitney U test are used on the questionnaire. The result of Forest products data and forestation area and also questionnaire analysis and literature review showed that there is a lack of SDP and wood products demand increased in Iran. Wood products insufficiency during the study (11 year) and also annual usual imports cause to compensate wood products lack equal to \$200 million in 2003. The factory units have SDP lacked because they facing with poplar plantation unsuitable distribution. Statistical test and analysis showed that is vacillation, problem and situation SDP marketing similar to wood products marketing. To lean on import cause to changing price severely and external competitors will replace internal products.

**Keywords:** Poplar small-diameter timber, Imports and exports, Marketing situation, Competition, Balance of trade.

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\* Corresponding author: Tel: 0261-2223044 , Fax: 0261-2249311 E-mail: rbayatkashkoli@yahoo.com