



Halil Turgut Sahin

MAJOR DEPT Forestry

DEGREE Ph. D

ADVISOR Prof. Raymond A. Young

RESEARCH AREA Thin film deposition

GRADUATION 2001

KEYWORDS

Pulp and Paper, XPS, AFM, ATR-FTIR, SEM, NMR, Surface Modification, Forest Products Chemistry.

GOALS

Research in wood and plasma chemistry and chemical processing and characterization of surface modification of paper

INTERESTS

Surface barrier coating and surface enhance properties of paper, interactive paper

JOURNAL PUBLICATIONS

Halil Turgut Sahin and Raymond A. Young, "New Approaches for Pulp and Paper from Jute (*Corchorus capsularis*) *Submitted article for publication to Journal of Economical Botany*, NY Botanical Garden Press, NY-USA

Halil Turgut Sahin, S. Manolache, R. A. Young and F. Denes " *Fluorination of Paper under CF₄-Plasma Environment* " Accepted for publication in *Cellulose Journal*

Idarrage, G., Ramos, J., Zuniga, V., Sahin, T. and Young, R. A. " *Pulp and paper from blue agave waste from tequila production* " *J. Agric. Food Chem.* 47, 4450 (1999)

Halil Turgut Sahin (continued)

CONFERENCE TALKS / POSTERS

Sahin, H.T., Denes, F., Manolache, S. and Young, R.A. *“Enhanced properties of cellulose through plasma treatments”* American Chem. Soc. 219: 116-CELL Part 1, Mar 26-31, 2000 San Francisco, CA, USA.

Halil Turgut Sahin (conference talk/posters continued)

Young, R.A., Sahin, H.T., Cruz-Barba,E., Denes, F., Manolache S and Zhang, X. *“Modification of Cellulose Properties Through Plasma Treatments”* Poly Millennial Polymer Conf., Dec. 9-13, 2000 Waikoloa, HI, USA.

Sahin, H.T., Manolache, S., Young, R.A and Denes, F. *“RF-Plasma Enhanced Barrier Coating of Paper”* American Chem. Soc. 222: 005-PMSE Part 1, August 26-30, 2001 Chicago, IL, USA.

VISA STATUS

Turkish Citizen

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EDUCATION

1989-1993	BS. University of Istanbul, Dept. of Forest products eng.
1995-1997	MS. University of Wisconsin-Madison, Dept. of Forestry
1997-Present	Ph.D student

LANGUAGES

Fluent in both English and Turkish

Halil Turgut Sahin (continued)

HONORS & AWARDS

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| 1993 | The highest 3'rd (BS) graduating grade from University of Istanbul, Faculty of Forestry |
| 1994 | The highest 2'rd grade for full time scholarships from Turkish Government |
| 2001 | Vitas Fellowship |

ACTIVITIES & AFFILIATIONS

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| 1996-present | Member of TAPPI, Amer. Chem. Soc., AATCC (American Assoc. of Textile Chemist and Colorist), Forest Products Society & Society of Wood and Fiber Sci. |
| 1998-1999 | Board member of MATS (Madison Association of Turkish Students) |