

Lect. PhD Berdan Kalav

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği Anabilim Dalı, Turkey 2008 - 2012

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği Anabilim Dalı, Turkey 2001 - 2004

Undergraduate, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, Turkey 1977 - 2001

Foreign Languages

English, C2 Mastery

Certificates, Courses and Trainings

Quality Management, Akreditasyon ve TS ISO/IEC 17025 Deney ve Kalibrasyon Laboratuvarlarının Yeterliliği İçin Genel Şartlar Standardı, TURKISH ACCREDITATION AGENCY, 2015

Quality Management, TS EN ISO/IEC 17025'e Göre Laboratuvarlarda İç Denetçi Eğitimi , TURKISH ACCREDITATION AGENCY, 2015

Dissertations

Doctorate, Troubleshooting ink jet printing of cotton substrates using a knowledge-based expert system, Istanbul Technical University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği Anabilim Dalı, 2012

Postgraduate, Pamuklu örme kumaşlarda reaktif baskı, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2004

Research Areas

Textile Engineering and Technology, Textile Chemistry, Dye Finishing Technology, Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2015 - Continues

Research Assistant, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2001 - 2012

Courses

Ecological Textiles, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Textile Digital Printing Technologies, Postgraduate, 2018 - 2019, 2017 - 2018

Introduction to Coloration and Finishing Processes, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Dyeing and Printing Technologies, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Textile Printing, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Designed Lessons

Kalav B., Textile Digital Printing Technologies, Postgraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Functionalized polyvinyl alcohol nanofiber webs containing β -cyclodextrin/Vitamin C inclusion complex**
Okur N., Sarıçam C., Göcek İ., Kalav B., Şahin U. K.
Journal of Industrial Textiles, vol.50, pp.1559-1571, 2021 (SCI-Expanded)
- II. **Effect of pigment colour on the printing performance of synthetic leather using a ultraviolet-curable water-borne polyurethane acrylate binder**
Baysal G., Kalav B., Karagüzel Kayaoğlu B.
COLORATION TECHNOLOGY, vol.135, no.4, pp.283-291, 2019 (SCI-Expanded)
- III. **The effect of ultraviolet-curable water-borne polyurethane acrylate binder concentration on the printing performance of synthetic leather**
Baysal G., Kalav B., Karagüzel Kayaoğlu B.
COLORATION TECHNOLOGY, vol.135, pp.111-120, 2019 (SCI-Expanded)
- IV. **Colour and gloss properties of pigment-printed synthetic leather using an ultraviolet-curable water-borne polyurethane acrylate binder and two photoinitiators at different ratios**
Baysal G., Kalav B., Karagüzel Kayaoğlu B.
COLORATION TECHNOLOGY, vol.135, no.2, pp.133-142, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Enhancing the Flame Retardancy of UV Curable Polyurethane Acrylate Coated Films with Alumina Trihydrate Filling**
KALAV B., İŞMAR E., KARAGÜZEL KAYAOĞLU B.
ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, vol.34, no.3, pp.11-20, 2019 (Peer-Reviewed Journal)
- II. **Screen printing of uv curable polyurethane acrylate binder prepared with different pigment concentrations on synthetic leather and gloss and hardness properties of printed films**
Baysal G., Kalav B., Karagüzel Kayaoğlu B.
IOP Conference Series: Materials Science and Engineering, vol.460, no.12001, 2018 (Conference Book)
- III. **Gloss and hardness evaluation of water-based uv curable polyurethane acrylate film used in textile printing**
Kalav B., Baysal G., Karagüzel Kayaoğlu B.

Vlakna a Textil, vol.25, no.3, pp.30-36, 2018 (Scopus)

IV. Obtaining Composite Cotton Fabric by Cyclodextrin Grafting

Şahin U. K., Okur N., Sarıçam C., GOCEK I., ARSLAN M. H., ACIKGOZ H., Kalav B.

International Journal of Materials and Metallurgical Engineering, vol.2016, no.3, pp.946-963, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Design of a recipe using polyol based wicking agent for better wicking performance of polyamide 6.6 seamless garments**
KALAV B., NERGİS F. B., CANDAN C.
ICONTEX 2019 2nd International Congress of Innovative Textiles, Tekirdağ, Turkey, 17 - 18 April 2019, vol.2, pp.155-161
- II. **Design of Knitted Fabric with Improved Ultra Violet Protection Factor**
BECEREN Y., KALAV B., CANDAN C.
18th AUTEX World Textile Conference, İstanbul, Turkey, 20 - 22 June 2018
- III. **Screen printing of UV curable polyurethane acrylate binder prepared with different pigment concentrations on synthetic leather and gloss and hardness properties of printed films**
BAYSAL G., KALAV B., KARAGÜZEL KAYAOĞLU B.
18th AUTEX World Textile Conference, 20 - 22 June 2018
- IV. **Effect of pigment concentration on fastness and color values of thermal and UV curable pigment printing**
BAYSAL G., Kalav B., Karagüzel Kayaoğlu B.
17th World Textile Conference: Shaping the Future of Textiles, AUTEX 2017, Corfu, Greece, 29 - 31 May 2017, vol.254
- V. **Screen Printing of Synthetic Leather Using Pigmented UV Curable Water Based Polyurathane Acrylate Binder**
ÖZDEMİR Ü. G., KALAV B., KARAGÜZEL KAYAOĞLU B., YILDIZ B., AKBULUT G., EREN M.
16th AUTEX World Textile Conference 2016, Ljubljana, SLOVENIA, Ljubljana, Slovenia, 8 - 10 June 2016
- VI. **The Effect of System Variables on Reactive Printing**
KALAV B., DAYIOĞLU H.
III. International Textile, Clothing Design Conference, Croatia (ITC DC), 8 - 11 October 2006
- VII. **Antibacterial Finishing Processes of Textiles Literature Survey**
KALAV B., ÖZTÜRK M.
1st International Istanbul Textile and Textile Machinery Congress Turkey, 2006., 1 - 02 June 2006
- VIII. **The Effect of Fixation Type On Color Yield Properties and Fastness of Reactive Prints Prepared With Sodium Alginate and Acrylic Copolymer**
KALAV B., DAYIOĞLU H.
PerTex International Textile Symposium, Romania, 10 - 12 November 2005

Supported Projects

Kalav B., Uçar N., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Tekstil Tabanlı Kompozit İleri Teknoloji ve Inovasyon Merkezi, 2015 - 2016

Metrics

Publication: 22

Citation (WoS): 15

Citation (Scopus): 21

H-Index (WoS): 3

H-Index (Scopus): 3

Non Academic Experience

Bagu Reklam Dış Ticaret Ltf. Şti.

North Carolina State University