

## Assoc. Prof. Menderes Koyuncu

### Personal Information

Office Phone: [+90 432 444 5065](tel:+904324445065) Extension: 22343

Office Phone: [+90 444 506 5223](tel:+904445065223) Extension: 43

Email: [menderes@yyu.edu.tr](mailto:menderes@yyu.edu.tr)

Web: <https://avesis.yyu.edu.tr/menderes>

### International Researcher IDs

ORCID: 0000-0002-4900-9327

Yoksis Researcher ID: 156252

### Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1997 - 2002

Postgraduate, Turkey 1995 - 1996

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 1984 - 1988

### Dissertations

Doctorate, Toprak yiyen çocuklarda Zn eksikliğinin nedeni olarak çinkonun toprak tarafından adsorpsiyonunun araştırılması, Van Yüzüncü Yil University, Vmyo, Tekstil, Giyim,Ayakkabı Ve Deri, 2002

Postgraduate, Eroinin örneklerindeki bileşenlerin belirlenmesi ile silika WPS3 ve ODS silika adsorbarlarıyla adsorpsiyonlarının değerlendirilmesi, Van Yüzüncü Yil University, Vmyo, Tekstil, Giyim,Ayakkabı Ve Deri, 1997

### Research Areas

Textile Engineering and Technology, Textile Materials, Textile Chemistry, Dye Finishing Technology, Textile Quality Control, Technical Textiles, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Van Meslek Yüksekokulu, Geleneksel El Sanatları Bölümü, 2018 - Continues

Assistant Professor, Van Yüzüncü Yil University, Van Meslek Yüksekokulu, Geleneksel El Sanatları Bölümü, 2003 - 2018

### Academic and Administrative Experience

Van Yüzüncü Yil University, Vmyo, Geleneksel El Sanatları, 2017 - Continues

Van Yüzüncü Yil University, 2017 - Continues

Van Yüzüncü Yil University, Mimarlık Ve Şehir Planlama, 2017 - Continues

Van Yüzüncü Yil University, Vmyo, 2010 - 2013

## Courses

Lif ve Boya Teknolojisi, Associate Degree, 2018 - 2019  
Doğal Boyamacılık, Associate Degree, 2018 - 2019  
Araştırma yöntem ve Tek., Associate Degree, 2018 - 2019  
Kumaş yapı testleri, Associate Degree, 2018 - 2019

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Thermal and flammability behavior of walnut shell reinforced epoxy composites**  
Koyuncu M., Ulay G.  
POLIMEROS, vol.33, no.2, pp.1-6, 2023 (SCI-Expanded)
- II. **Effect of Pumice Powder on Mechanical, Thermal, and Water Absorption Properties of Fiberboard Composites**  
Koyuncu M., Ulay G., Şeker U.  
FIBRES AND TEXTILES IN EASTERN EUROPE, vol.31, no.3, pp.30-36, 2023 (SCI-Expanded)
- III. **Experimental Investigation of Epoxy Matrix and Pine Sawdust Reinforced Wood-Polymer Composite Materials**  
Koyuncu M.  
BioResources, vol.17, no.1, pp.1161-1172, 2022 (SCI-Expanded)
- IV. **The influence of pumice dust on tensile ,stiffness properties and flame reterdant of epoxy/ wood flour composites**  
Koyuncu M.  
JOURNAL OF TROPICAL FOREST SCIENCE, vol.30(1), pp.89-94, 2018 (SCI-Expanded)
- V. **Effect of alkaline treatment on mechanical properties of voile fabric reinforced epoxy composites**  
Koyuncu M.  
INDIAN JOURNAL OF FIBRE & TEXTILE RESEARCH, vol.42, no.1, pp.89-93, 2017 (SCI-Expanded)
- VI. **Static and Dynamic Mechanical Properties of Cotton/Epoxy Green Composites**  
Koyuncu M., KARAHAN M., Karahan N., Shaker K., Nawab Y.  
FIBRES & TEXTILES IN EASTERN EUROPE, vol.24, no.4, pp.105-111, 2016 (SCI-Expanded)
- VII. **An kinetic study for wool fabrics chromium dyeing using the PEK Model**  
Koyuncu M.  
INDUSTRIA TEXTILA, vol.66, no.6, pp.340-343, 2015 (SCI-Expanded)
- VIII. **THERMODYNAMICS AND ADSORPTION STUDIES OF DYE (RHODAMINE-B) ONTO NATURAL DIATOMITE**  
Koyuncu M., Kul A. R.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.50, no.2, pp.631-643, 2014 (SCI-Expanded)
- IX. **COLOUR REMOVAL FROM AQUEOUS SOLUTION OF TAR-CHROMIUM GREEN 3G DYE USING NATURAL DIATOMITE**  
Koyuncu M.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.48, no.2, pp.485-494, 2012 (SCI-Expanded)
- X. **Adsorption Properties of Basic Dyes (Maxilon Red GRL and Maxilon Yellow GRL) onto Bentonite**  
Koyuncu M.  
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.7, pp.5458-5464, 2009 (SCI-Expanded)
- XI. **Adsorption of Maxilon Blue GRL from an Aqueous Solution: Equilibrium and Kinetic Studies**  
Koyuncu M.  
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.1, pp.121-127, 2009 (SCI-Expanded)
- XII. **Investigation of colorimetric properties of woollen yarn dyed with Rheum ribes plant root extract**  
Koyuncu M.  
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.5, pp.4043-4051, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of Color, and Fastness Properties of Wool Yarn Dyed with Ternary Plant Combination: A New Dyeing Method for the Production of Eco-Friendly Textiles**  
Koyuncu M.  
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.37, no.4, pp.1077-1086, 2022 (Peer-Reviewed Journal)
- II. **Are sustainability of the application of natural dye on the textile materials**  
Koyuncu M.  
Trends in Textile Engineering & Fashion Technology, vol.7, no.4, pp.890-892, 2022 (Peer-Reviewed Journal)
- III. **Küreselleşmenin, Türkiye'nin Sanayi Mektebi olan Sümerbank Üzerine Etkisi**  
KOYUNCU M.  
Turan-Sam, vol.14, no.56, pp.176-182, 2022 (Peer-Reviewed Journal)
- IV. **Effects of particle size, pumice powder filling on the water absorption behavior, and elongation at break properties of walnut husk particles reinforced epoxy composite**  
KOYUNCU M.  
The European Journal of Research and Development, vol.2, no.2, pp.182-189, 2022 (Peer-Reviewed Journal)
- V. **Evaluation of Mechanical and Water Absorption Behaviours of Corn Shell/Pumice Reinforced Epoxy Composites**  
Koyuncu M.  
European Journal of Science and Technology, no.32, pp.573-576, 2021 (Peer-Reviewed Journal)
- VI. **Comparison Of The Effects Of Alkali And Silica On The Tensile Strength Properties Of Epoxy Based Composites**  
Koyuncu M.  
JMEST, vol.2, no.10, pp.2765-2797, 2015 (Scopus)
- VII. **comparison on effects of alkali and silica on to tensile strength properties of epoxy based composites**  
KOYUNCU M.  
Journal of multidisciplinary engineering science and technology, vol.2, no.10, 2015 (Peer-Reviewed Journal)
- VIII. **Exploitation of heroin in wps3 silica adsorption as terrorism financing**  
Koyuncu M.  
International relations and diplomacy, vol.3, no.1, pp.79-88, 2015 (Peer-Reviewed Journal)
- IX. **Exploitation of heroine wps3 silica adsorption as terrorism financing**  
KOYUNCU M., CEYLAN H.  
international relations and diplomacy, vol.3, no.1, pp.79-88, 2015 (Peer-Reviewed Journal)
- X. **thermodynamic parameters and dyeing kinetics of wool yarn with aqueous extract of rubia tinctorum L.**  
Koyuncu M.  
Institute of integrative omics and applied biotechnology, vol.5, no.2, pp.12-15, 2013 (Scopus)
- XI. **Adsorption of cr(IV) from textile waste water by using natural bentonite**  
Koyuncu M.  
The IIOAB Journal, vol.3, no.3, pp.1-4, 2012 (Scopus)
- XII. **Dyeing of Wool Yarn of Dye Extracted From Leucanthemum, International Textile Technology Magazine, 17 (19), 2012.**  
Koyuncu M.  
tekstil Teknolojisi, vol.19, no.17, pp.0-23, 2012 (Peer-Reviewed Journal)
- XIII. **Removal of tar chrome red -b dye by adsorption onto natural diatomite**  
Koyuncu M.  
Journal of chemical and pharmaceutical research, vol.3, no.1, pp.297-303, 2011 (Scopus)
- XIV. **Tekstil Sanayinde Spektrofotometre'nin Kullanımı ve Önemi, International Textile Technology Magazine, 15 (169), 2010.**  
Koyuncu M.

- Tekstil Teknolojisi, vol.169, no.15, pp.70-74, 2010 (Peer-Reviewed Journal)
- XV. **Ceviz Ağacı Kökleri ile Boyanan Yün İpliğinin Kolorimetrik Özelliklerinin İncelenmesi, International Textile Technology Magazine, 15 (168), 2010.**  
Koyuncu M.  
Tekstil Teknolojisi, vol.168, no.15, pp.73-76, 2010 (Peer-Reviewed Journal)
- XVI. **Strayhgarn Yün İplikçiliğinde Kullanılan Farklı Numaralardaki Koççaların İplik Bükümüne Etkisi, International Textile Technology Magazine, 15 (163), 2010.**  
Koyuncu M.  
Tekstil Teknolojisi, vol.163, no.15, pp.82-85, 2010 (Peer-Reviewed Journal)
- XVII. **Tarkrom yeşil 3G boyarmaddesinin Çankırı Bentoniti ile renk giderimi, Y.Y.Üniv.Journal of the institute of Natural and Appl. Sci. 14 (1), 2009.**  
Koyuncu M.  
Yüzüncü yıl üniv. Fen bil. ens. dergisi, vol.1, no.14, pp.38-41, 2009 (Peer-Reviewed Journal)
- XVIII. **Mahonia aquifolium Nutt. ( Berberidaceae, mahonya) meyvesi ile boyanmış yün ipliklerinin kolorimetrik özellikleri**  
KOYUNCU M.  
Y.Y. Üniv Tarım Bilimleri Dergisi, vol.18, no.1, pp.27-33, 2008 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Ştrayhgarn Yün İplikçiliği ( Boyama ve Kumaş Analizi)**  
Koyuncu M.  
Gazi Kitabevi, Ankara, 2019

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Mikronize Pomza Tozu Takviyeli Epoksi Kompozit Malzmenin Shore-D Sertlik Değerleri Üzerine Etkisi**  
KOYUNCU M., ULAY G.  
SOCRATES 8th INTERNATIONAL HEALTH, ENGINEERING AND APPLIED SCIENCES CONGRESS 28-30 SEPTEMBER, 2023 DİCLE UNIVERSITY, DİYARBAKIR, TÜRKİYE, Diyarbakır, Turkey, 28 - 30 September 2023, pp.478
- II. **Flammability Behaviour of Hemp Fiber Reinforced Epoxy Composites**  
Koyuncu M.  
World Multidisciplinary Earth Sciences Symposium, Praha, Czech Republic, 28 August - 01 September 2023, pp.112-115
- III. **İyon taşıma spektrometresi ile uyuşturucu maddelerin incelenmesi**  
Koyuncu H., Koyuncu M.  
XIV Ulusal Kimya Kongresi, Diyarbakır, Turkey, pp.355
- IV. **Van Hakkari ili kilimlerinde kullanılan bitkisel boyalardan kök boya ceviz kabuğu sumak kızlağaç nane ve soğan kabuğu eksrakıtı ile boyanan atkı ipliklerinin yıkama haslıklarının karşılaştırılması**  
Koyuncu M., KUL A. R.  
Tekstil Teknolojileri ve Tekstil Makinaları Kongresi, Gaziantep, Turkey, pp.117
- V. **Bazı tarım ilaçların kaolin yüzeyindeki absorsiyonlarının incelenmesi**  
KUL A. R., Koyuncu M.  
XIV Ulusal Kimya Kongresi, Diyarbakır, Turkey, pp.506
- VI. **Polialkilfenollerin Grafit anot üzerinde elektrooksitlenmesinde süstitünt efektleri**  
KUL A. R., Koyuncu M.  
XIV Ulusal Kimya Kongresi, Diyarbakır, Turkey, pp.503
- VII. **Determination of the compounds which are in heroin samples and treatment of the heroin samples ODS silica and silica WPS3 absorbents**

- Koyuncu M.  
XI Kimya -97 Kongresi, Van, Turkey, vol.1, pp.30
- VIII. **Tekstil sanayinde kimya uygulamaları**  
Koyuncu M., Koyuncu H.  
XIV Ulusal Kimya Kongresi, Diyarbakır, Turkey, pp.307
- IX. **Patlayıcı maddelere iyon taşıma spektrometresi (IMS) tekniğinin uygulanması**  
Koyuncu H., Koyuncu M.  
XIV Ulusal Kimya Kongresi, Diyarbakır, Turkey, pp.21
- X. **Küreselleşmenin Türkiyenin sanayi Mektebi olan Sümerbank üzerine Etkisi**  
Koyuncu M.  
International Paris conference on social Science-III, Paris, France, 15 - 17 November 2019, vol.1, no.1, pp.123-124
- XI. **The effect of absorption of water into vual fabric reinforced epoxy composites**  
Koyuncu M.  
Recent advances in mathematical and engineering sci. international mathematics and engineering conference, Lviv, Ukraine, 24 - 26 July 2019, pp.53-56
- XII. **Küreselleşmenin Teknolojisi yakalayamamış ülkeler üzerine etkisi**  
Koyuncu M.  
International Asian congress on comtemporany science, Mekke, Saudi Arabia, 15 - 24 April 2019, pp.258-259
- XIII. **Determination optimum machinnig parameters of nickel based super alloy**  
Altın A., Koyuncu M.  
4. International conference on engineering and natural sciences, Kiev, Ukraine, 2 - 06 May 2018, vol.1, no.1, pp.105
- XIV. **A STUDIES ON WATER ABSORPTION BEHAVIOR OF WOOD FLOURREINFORCED EPOXY COMPOSIT WITH FILLED MG(OH)2, AL(OH)3,AND PUMICE POWDER**  
Koyuncu M., Altın A.  
4th International Conference on Engineering and Natural Sciences, Kyyiv, Ukraine, 2 - 06 May 2018, vol.1, no.1, pp.149
- XV. **Comparison of the water absorption performans of corn shell pumice dust filled and unfilled epoxy composites**  
Koyuncu M.  
The international conference on metarials sci. mechanical and Automotive Eng. and Tech., İzmir, Turkey, 9 - 12 April 2018, pp.488
- XVI. **Dyamic mechanical analysis of epoxy composites reinforced with unfilled and filled pumice, Al(OH) and Mg(OH) wood flour**  
Koyuncu M.  
Creating the future of textiles international conference TexTehVIII, Bükreş, Romania, 19 - 20 October 2017, pp.71
- XVII. **Studies on Thermal and Flammability Properties of Wood Flour Reinforced Epoxy Composites: Effects of Pumice Dust, Mg (OH)2 and Al (OH)3**  
Koyuncu M.  
2. ULUSLARARASI LİF ve POLİMER ARAŞTIRMALARI SEMPOZYUMU, Bursa, Turkey, 27 - 28 April 2017, vol.1, no.2, pp.19-21
- XVIII. **Flammability and Mechanical Properties of Wood Plastic Composites Produced with Pumice Treated Wood flour**  
Koyuncu M.  
World multidisciplinary earth sciences symposium, Prag, Czech Republic, 5 - 09 September 2016, pp.348
- XIX. **effect of silica on the tensile strength properties of epoxy based composites**  
Koyuncu M.  
wmess, Prag, Czech Republic, 7 - 11 September 2015, pp.3650-3655
- XX. **INFLUENCE OF ALKALINE TREATMENTS ON TENSILE PROPERTIES OF ALPACA FABRIC REINFORCED EPOXY COMPOSITES**  
Koyuncu M.  
14th International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 26 June 2014, pp.213-

- XXI. **A COMPARATIVE STUDY ON CONVENTIONAL NATURAL DYEING AND MACHINE DYEING METHODS**  
Koyuncu M., Altın A.  
12th International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 23 June 2012, pp.1-2
- XXII. **Önemli Terör finansmanı olan heroinin suistimal edilebilirliği**  
Koyuncu M.  
3. International symposium on terrorism and transnational crime, Antalya, Turkey, 9 - 11 December 2011
- XXIII. **THE IMPACT OF DIGITAL COMPETENCE ON ACADEMIC PERFORMANCE OF STUDENTS**  
Koyuncu M.  
11th International Multidisciplinary Scientific GeoConference, Albena, Bulgaria, 20 - 25 June 2011, pp.1295-1299
- XXIV. **Van ve Hakkari İli Kilimlerinde Kullanılan Bitkisel Boyalardan Kök boya, Ceviz kabuğu, Sumak, Kızılağaç, Nane ve Soğan kabuğu ekstraktı ile Boyanan Atkı İpliklerinin Yıkama Karşılaştırması**  
KOYUNCU M., KUL A. R.  
Tekstil Teknolojileri ve Tekstil Makineleri Kongresi, Turkey, 11 - 12 November 2005
- XXV. **Polialkilfenollerin Grafit Anot Üzerinde Elektrokoksitletmesinde Sübstitüent Efektleri,**  
KUL A. R., KOYUNCU M.  
XIV. Ulusal Kimya Kongresi, Diyarbakır, 10 - 15 Eylül, Turkey, 10 - 15 September 2000
- XXVI. **H. Bazı Tarımsal İlaçların Kaolin Yüzeyindeki Adsorpsiyonlarının İncelenmesi**  
KUL A. R., CEYLAN H., KOYUNCU M.  
XIV. Ulusal Kimya Kongresi, Diyarbakır, 10 - 15 Eylül 2000., Turkey, 10 - 15 September 2000

### Supported Projects

- Koyuncu M., Project Supported by Higher Education Institutions, Vual kumaş takviyeli epoksi kompozitlere su absorpsiyonunun etkisi, 2019 - 2019
- Koyuncu M., Project Supported by Higher Education Institutions, Odun unu takviyeli Al<sub>2</sub>O<sub>3</sub> Mg(OH)<sub>2</sub> ve pomza tozu doldurulmuş kompozit malzemenin su absorpsiyonu davranışı üzerine bir çalışma, 2018 - 2018
- Koyuncu M., Altın A., Project Supported by Higher Education Institutions, Doğal Elyaf takviyeli Polimer esaslı Kompozit malzeme üretimi, 2015 - 2018
- CEYLAN H., KERİMOV G., Koyuncu M., Savran A., Selçuk A., Project Supported by Higher Education Institutions, Van gölü'nün su seviyesi,yükselmesi, nedenleri ve önlemleri, 1996 - 2004

### Activities in Scientific Journals

- new environmentally friendly materials, Publication Committee Member, 2022 - Continues
- Drug Design Development and Delivery Journal, Publication Committee Member, 2017 - Continues
- International relations and diplomacy, Publication Committee Member, 2016 - Continues
- J. chem. and Pharm. res., Publication Committee Member, 2011 - Continues
- Scholars Res. Library, Publication Committee Member, 2010 - Continues

### Memberships / Tasks in Scientific Organizations

- BUTEKOM ( Bursa Tekstil Konf. ARGE- Merkezi), Member, 2010 - Continues

### Scientific Refereeing

- İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, February 2024
- TEXTILE RESEARCH JOURNAL, SCI Journal, December 2023

TEXTILE RESEARCH JOURNAL, SCI Journal, March 2023  
TEXTILE RESEARCH JOURNAL, SCI Journal, June 2022  
TEXTILE RESEARCH JOURNAL, SCI Journal, January 2022  
TEXTILE RESEARCH JOURNAL, SCI Journal, April 2021  
TUBITAK Project, 2209-B - Sanayiye Yönelik Lisans Araştırma Projeleri Destekleme Programı, Van Yüzüncü Yıl University, Turkey, December 2019  
J. Soil Science & Agroclim, Other Indexed Journal, November 2019  
Textile Research Journal, SCI Journal, November 2019  
Textile Research Journal, SCI Journal, August 2019  
Oriental Journal of Chemistry, Other Indexed Journal, July 2019  
Textile research journal, SCI Journal, March 2019  
Textile research journal, SCI Journal, November 2018  
Textile research journal, SCI Journal, August 2018  
Inorganic and Nano-Metal Chemistry, SCI Journal, March 2018  
textile research journal, SCI Journal, September 2017  
textile research journal, SCI Journal, March 2017  
Textile research journal, SCI Journal, January 2017  
Journal of Environmental chem., SCI Journal, August 2016  
Journal Textile Res, SCI Journal, May 2016  
Industrial Thesis Project, UTİB İnternational R&D Brokerage, Turkey, April 2016

## **Metrics**

Publication: 58  
Citation (WoS): 35  
Citation (Scopus): 42  
H-Index (WoS): 4  
H-Index (Scopus): 4

## **Congress and Symposium Activities**

International Paris Conference on Social Sciences-III, Attendee, Paris, France, 2019  
Recent advances in mathematical and Eng. Sci interantional Mathematics and Eng. Conference, Attendee, Lviv, Ukraine, 2019  
International Asian Congress on Contemporary Science, Attendee, Makkah, Saudi Arabia, 2019  
International Conference on Engineering and Natural Science, Attendee, Kyyiv, Ukraine, 2018  
International Conference on Engineering and Natural Science, Attendee, Kyyiv, Ukraine, 2018  
The international conference on material sci. Mechanical and Automotive Eng. and Tech., Attendee, İzmir, Turkey, 2018  
World multi. dis. earth. sci. sym., Attendee, Praha, Czech Republic, 2016

## **Non Academic Experience**

Yüzüncü Yıl Üniversitesi  
Sümerbank Yünlü Sanayi İşletmeleri  
State Economic Organization SEO, SUMERBANK, Dyeing and finishing  
Samur halıları Tic. A.Ş  
Sümerbank Yünlü sanayi İşletmeleri