

# Ayoub Esmailpour



## CONTACT

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## ORCID

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0000-0001-8340-7348

## LANGUAGES

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Persian

English

## Personal Information

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Place of birth Iran

Nationality Iranian

## Current Position

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Associate Professor SRTTU

## Education

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## Work Experience

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Associate Professor: Faculty member at SRTTU.

## Research Interest

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Condensed Matter of Physics

## Awards and Honors

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## Publications

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1. **Esmailpour A.**, Meshkini H., Saadat M.,  
*"Conductance of disordered strain-induced graphene superlattices"*,  
PHYSICA E Vol. 50, PP. 57-60, 2013.
2. **Esmailpour A.**, Pakdel F., J R.,  
*"Effect of gap fluctuations on conductance of monolayer and bilayer graphene superlattices"*,  
PHYSICA E Vol. 54, PP. 214-219, 2013.

3. Lotfezaman S., Anvari M., Ekhtiyari N., **Esmailpour A.**, Rahimitabar M.,  
*"Localization in the Anderson model with long-range correlated hopping and on-site disorders"*,  
Waves in Random and Complex Media, Vol. 25, PP. 9-17, 2014.
4. **Esmailpour A.**, Abdolmaleki M., Saadat M.,  
*"Dc conductance of ordered and disordered silicene superlattices"*,  
PHYSICA E Vol. 77, PP. 144-148, 2016.
5. Taghiyari H., **Esmailpour A.**, Zolfaghari H.,  
*"Effects of nanosilver on sound absorption coefficients in solid wood species"*,  
IET Nanobiotechnology, Vol. 10, PP. 147-153, 2016.
6. **Esmailpour A.**, Taghiyari H., Zolfaghari H.,  
*"Effects of heat treatment on sound absorption coefficients in nanosilver-impregnated and normal solid woods"*,  
IET Nanobiotechnology, Vol. 11, PP. 365-369, 2017.
7. **Esmailpour A.**, Mohammad Sadegh T., Taghiyari H., Choo A., Siahposht H.,  
*"Effects of Nanosilver Impregnation on Impact Bending Strength of Ice-Blasted Beech and Poplar Woods"*,  
Walailak Journal of Science and Technology, Vol. 7, No. 15, PP. 481-489, 2018.
8. **Esmailpour A.**, Taghiyari H., Nouri P., Jahangiri A.,  
*"Fire-retarding properties of nanowollastonite in particleboard"*,  
FIRE AND MATERIALS, No. 42, PP. 306-315, 2018.
9. **Esmailpour A.**, Taghiyari H., Majidi R., Morrel J., Mohammad-Panah B.,  
*"Nano-wollastonite to improve fire retardancy in medium-density fiberboard (MDF) made from wood fibers and camel-thorn"*,  
Wood Material Science and Engineering, Vol. 10, No. 1080, PP. 1-5, 2019.
10. **Esmailpour A.**, Taghiyari H., Najafabadi R., Kalantari A., Papadopoulos A.,  
*"Fluid Flow in Cotton Textile: Effects of Wollastonite Nanosuspension and Aspergillus Niger Fungus"*,  
Processes, Vol. 7, PP. 901, 2019.
11. **Esmailpour A.**, Taghiyari H., Golchin M., Avramidis S.,

*"On the fluid permeability of heat treated paulownia wood",*  
International Wood Products Journal, Vol. 10, PP. 55-63, 2019.

12. Taghiyari H., **Esmailpour A.**, Papadopoulos A.,  
*"Paint Pull-Off Strength and Permeability in Nanosilver-Impregnated and Heat-Treated Beech Wood",*  
Coatings, Vol. 9, No. 723, PP. 723, 2019.
13. **Esmailpour A.**, Majidi R., Taghiyari H., Ganjkhani M., Mohseni Armaki S., Papadopoulos A.,  
*"Improving Fire Retardancy of Beech Wood by Graphene",*  
Polymers, Vol. 12, No. 12, PP. 303, 2020.
14. Taghiyari H., Majidi R., **Esmailpour A.**, Samadi Y., Jahangiri A., Papadopoulos A.,  
*"Engineering Composites Made from Wood and Chicken Feather Bonded with UF Resin Fortified with Wollastonite: A Novel Approach",*  
Polymers, Vol. 12, PP. 857, 2020.

#### **Conference (International)**

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1. **Esmailpour A.**, Golchin M., Rabi D., Hosseinpouria R., Taghiyari H.,  
*"Effects of thermal modification on compression strength of Paulownia (Paulownia fortunei L.) wood",*  
Proceedings of International Conference on World Trade in Furniture Design Art and Decoration DECO , 2017.
2. Taghiyari H., Schmidt O., **Esmailpour A.**, Hassani V., Soltani A., Gholipour H.,  
*"Heat-transfer improvement in wood composites using sepioli",*  
Proceedings of Wood Nanotechnology , 2018.

