

Name: Mohammad Farhadpour
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Education

BSc.: 2014-2018

University: Sharif University of Technology
Major: Materials Science and Engineering
Thesis: Investigation of electrical conductivity of PA6/CNT/CCB hybrid nanocomposites
Supervisor: Reza Bagheri

Msc.: 2018-2020

University: Sharif University of Technology
Major: Nanotechnology (Materials Science and Engineering Campus)
Thesis: Investigation of microstructure and electrical properties of PA6/PPO nanoblends containing CNT/CCB
Supervisors: Prof. Reza Bagheri – Prof. Gholamreza Pircheraghi

PhD: 2020 - present

Thesis: -
Supervisors: -

Research Experience

Polymeric Nanocomposites, Electrically Conductive Nanocomposites

Publications

- M. Farhadpour, R. Bagheri and B. Jahanaray. "Electrically conductive thermoplastic composite based on carbonic conductive fillers" National patent, Patent No. 100971 (2020).
- M. Farhadpour, R. Bagheri and B. Jahanaray. "Synergistic effects of carbon nanotube/conductive carbon black on electrical conductivity of PA6", ICNS Conference (ICNS8) (2020).
- M. Farhadpour, B. Jahanaray, Gh. Pircheraghi and R. Bagheri. "Simultaneous use of physical and chemical dispersants for electrical conductivity enhancement in polyamide 6/carbon nanotube/ conductive carbon black hybrid nanocomposites" Polymer-Plastics Technology and Materials (2021).

- M. Farhadpour, Gh. Pircheraghi and R. Bagheri. "Effect of PPO-g-MA on Electrical Conductivity Enhancement of PA6/PPO/CNT/CCB nanocomposites", 36th International Conference of the Polymer Processing Society (PPS36), Montreal, Canada (2021). Oral Presentation and Conference Paper.

Honours and Awards

- First rank student in bachelor (among 50) and master (among 85) – Materials Science and Engineering, Sharif University
- Direct admission in Master's and PhD's degree, Sharif University
- Iranian National Foundation of elites studentship Since 2015
- Gold medal of Nanotechnology - Iran National Olympiad (2013)