

Researcher Name	Name of Research group
<p style="text-align: center;">Prof. Samah El-Bashir</p>	<p style="text-align: center;">Renewable Energy and Environment Physics</p>

Year of Publication	Research Title
2019	Spectral Properties of PMMA Films Doped by Perylene Dyes for Photoselective Greenhouse Cladding Applications
2019	Coumarin-doped PC/CdSSe/ZnS nanocomposite films: A reduced self-absorption effect for luminescent solar concentrators
2018	Fullerene C60 doped polymeric nanocomposite coatings: moving solar spectra from ultraviolet to the deep red
2018	Electronic conduction mechanism and optical spectroscopy of Indigo carmine as novel organic semiconductors
2018	AC/DC electrical conduction and dielectric properties of PMMA/PVAc/C-60 down-shifting nanocomposite films
2018	Enhanced fluorescence polarization of fluorescent polycarbonate/zirconia nanocomposites for second generation luminescent solar concentrators
2017	Durability and Mechanical Performance of PMMA/Stone Sludge Nanocomposites for Acrylic Solid Surface Applications
2017	Physical properties Nd ³⁺ doped (SiO ₂ -TiO ₂) monolithic glass for photoresistor applications
2017	Optical dispersion parameters and stability of poly (9, 9'-di-n-octylfluorenyl-2,7-diyl)/ZnO nanohybrid films: towards organic photovoltaic applications
2017	Designing of PVA/Rose Bengal long-pass optical window applications
2017	Design of Rose Bengal/FTO optical thin film system as a novel nonlinear media for infrared blocking windows
2017	Improving photostability and efficiency of polymeric luminescent solar concentrators by PMMA/MgO nanohybrid coatings
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