

Synthesis of Graphene-Hydroxyapatite Nanocomposites for Potential Use in Bone Tissue Engineering

Sougata Ghosh^{1,2,3}, Tanay Bhagwat³, Rohini Kitture⁴, Sirikanjana Thongmee¹, Thomas J. Webster^{3,5,6,7}

¹Department of Physics, Faculty of Science, Kasetsart University ²Department of Microbiology, School of Science, RK. University ³Department of Chemical Engineering, Northeastern University ⁴Defence Institute of Advanced Technology Campus, Navyukti Innovations Pvt. Ltd. ⁵Department of Biomedical Engineering, Hebei University of Technology ⁶Department of Chemistry, Saveetha School of Engineering, Institute of Medical and Technical Science, Saveetha University ⁷UFPI - Universidade Federal do Piauí

Corresponding Author

Sougata Ghosh
ghoshsibb@gmail.com

Citation

Ghosh, S., Bhagwat, T., Kitture, R., Thongmee, S., Webster, T.J. Synthesis of Graphene-Hydroxyapatite Nanocomposites for Potential Use in Bone Tissue Engineering. *J. Vis. Exp.* (185), e63985, doi:10.3791/63985 (2022).

Date Published

July 27, 2022

DOI

10.3791/63985

URL

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Materials

Name	Company	Catalog Number	Comments
Ammonium phosphate monobasic	Sigma-Aldrich	216003-100G	Synthesis
Calcium nitrate tetrahydrate	Sigma-Aldrich	237124	Synthesis
Centrifuge	Hettich	EBA 200S	Recovery
Fourier transform infrared spectrometer	Brucker	Vertex 70	Characterization
Graphene nanoribbon	Sigma-Aldrich	922714	Synthesis
High resolution transmission electron microscope	Thermo Fisher Scientific	Themis Titan 300	Characterization
Magnetic stirrer	IKA	C-MAG HS7 S68	Functionalization
Micropipettes	TreffLab	06H35687	Reagent preparation
pH meter	Eutech pH5+	ECPH503PLUSK	Reagent preparation
Thermogravimetric analyzer	TA Instruments	SDT Q600	Characterization
Ultrasonic bath	Bandelin	DT100	Functionalization
Universal Oven	Memmert	UF55	Functionalization
Weighing balance	Precisa	XB220A	Reagent preparation
X-ray diffractometer	Brucker	D8-Advanced	Characterization