

Macroscopic Assembly of Flexible and Strong Green Graphene Fibres

Received 00th January 20xx,
Accepted 00th January 20xx

R. Bakhtiari ^a, S.Ghobadi ^a, E. N. Güllüoğlu^b, L. I. Şanlı ^c, S. A. Gürsel ^{a,c}, E. Özden-Yenigün ^{b,d*}

DOI: 10.1039/x0xx00000x

www.rsc.org/

Table S1. Ultrasonic treatment specifications of the GOLCs, the detailed time and energy consumption during the process

Sample Concentration (mg mL ⁻¹)	Bath Sonication		Probe Sonication		Total Energy (MJ)
	(Hours)	Energy (MJ)	(Minutes)	Energy (MJ)	
20	21	25.7	32	0.349	26.1
25	30	36.7	35	0.382	37.1
30	36	44.1	39	0.425	44.5
40	45	55.1	45	0.491	55.6

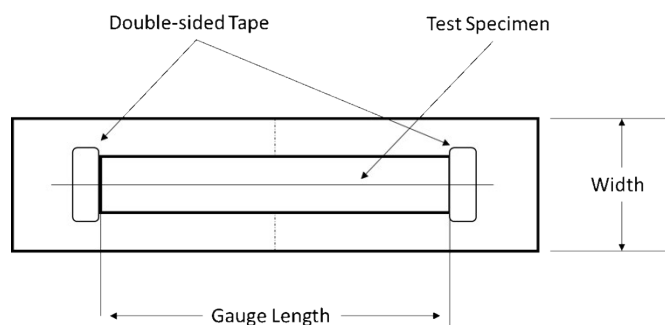


Figure S1: Sample preparation for single fiber

^a Faculty of Engineering and Natural Sciences, Sabanci University, 34956 Istanbul, Turkey

^b Istanbul Technical University, Faculty of Textile Technologies and Design, Department of Textile Engineering, 34437, Istanbul, Turkey

^c Nanotechnology Research and Application Center (SUNUM), Sabanci University, 34956 Istanbul, Turkey

^d ITU Aerospace Research Center, Istanbul Technical University, Istanbul 34469, Turkey

*Corresponding author: ozdenyenigun@itu.edu.tr

Electronic Supplementary Information (ESI) available:

See DOI: 10.1039/x0xx00000x