

Electronic Supplementary Information (ESI) for

Graphene Quantum Dots from *Mangifera indica*: Application in

Near-Infrared Bioimaging and Intracellular Nano-thermometry

Mukesh Kumar Kumawat, Mukeshchand Thakur[†], Raju B. Gurung[†], Rohit Srivastava*

[†]Authors contributed equally *Corresponding author:

Prof. Rohit Srivastava,

Professor, Phone: +91-022-25764761

Email: rsrivasta@iitb.ac.in, Tel: +91 22 25767746.

Mukesh Kumar Kumawat, Email: mukesh87.iitb@gmail.com,

Mukeshchand Thakur, Email: mukeshchandthakur@yahoo.com,

Raju B. Gurung, Email: rajugurung1992@gmail.com,

Address: Lab No. 505, Department of Biosciences and Bioengineering, Indian Institute of Technology-Bombay, Powai, Mumbai-400076, India.

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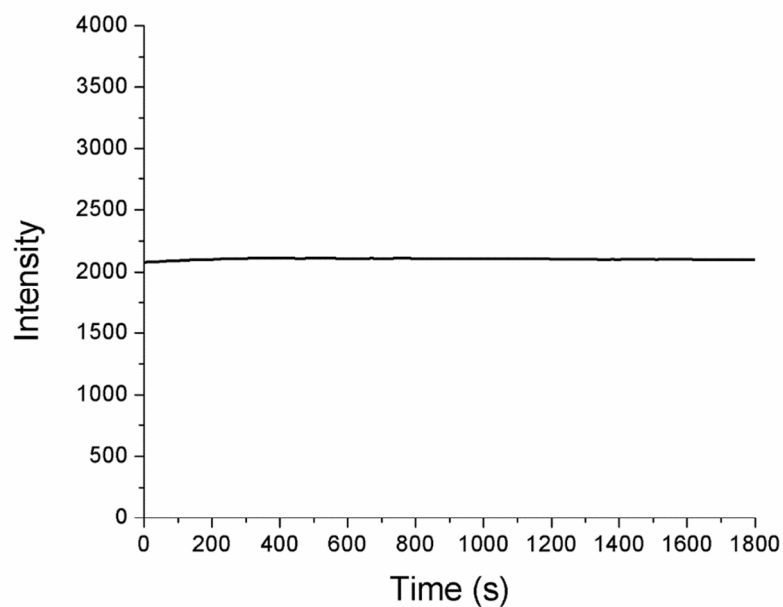


Figure S1. Photoluminescence stability study of mGQDs taken by excitation wavelength 400.0 nm and emission wavelength at 680 nm with a delay of 0 s. The excitation slit width was 5.0 nm and emission slit width was 10.0 nm. The PMT Voltage was 400 V with a response time of 0.04 s.

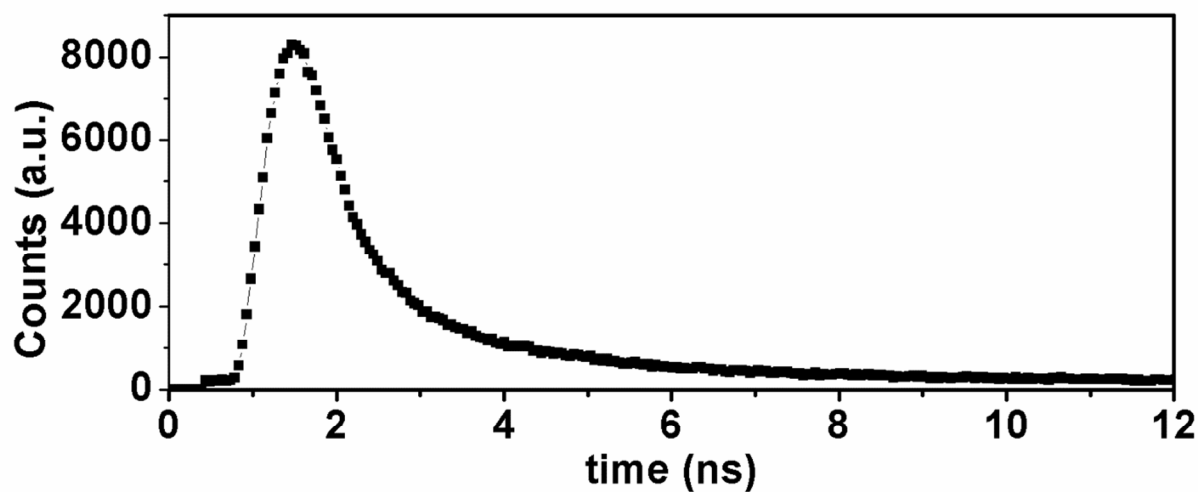


Figure S2. Time-resolved Single photon counting (TSPC) measurement showing lifetime analysis of mGQDs calculated as 9.34 ns.

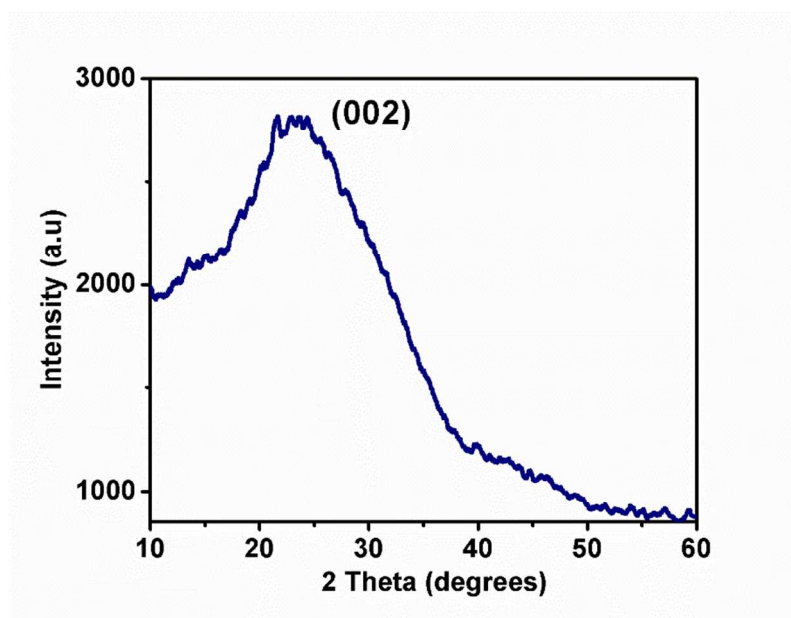


Figure S3: High resolution XRF spectrum of mGQDs.

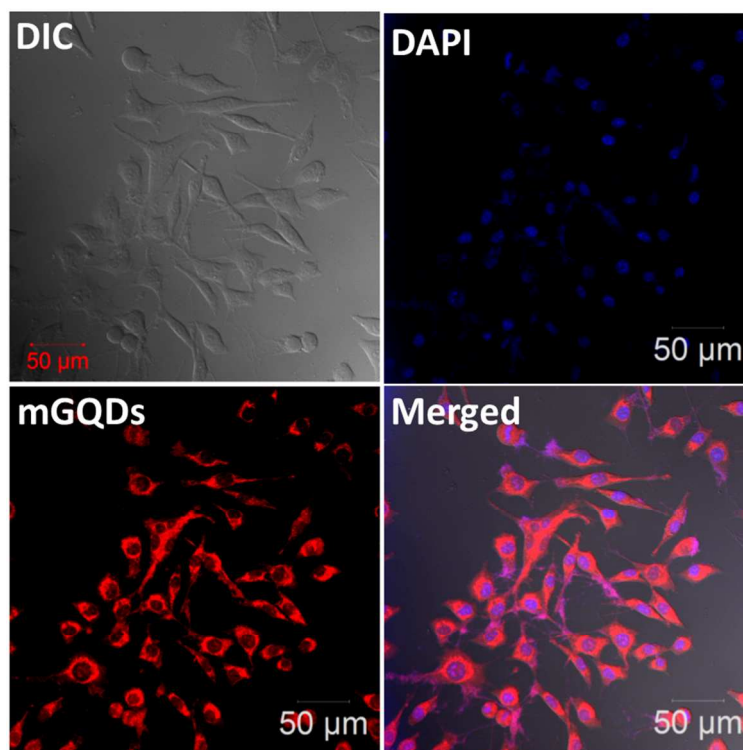


Figure S4: CLSM imaging of L929 cells treated with mGQDs depicting clear localization of mGQDs in cytosol.