

Stanford



Sharmili Roy

Postdoctoral Research Fellow, Oncology

Bio

PROFESSIONAL EDUCATION

- Bachelor of Technology, Unlisted School (2009)
- Master of Science, Unlisted School (2013)
- Doctor of Philosophy, Unlisted School (2017)
- National Post Doctoral Fellow, Indian Institute of Technology, Guwahati , Biotechnology (2019)
- Ph.D, Brunei Universiti , Biotechnology (2017)
- Master of Science, Boras University , Industrial Biotechnology (2011)
- B.Tech, SRM University , Engineering in Biotechnology (2009)

STANFORD ADVISORS

- Hanlee Ji, Postdoctoral Faculty Sponsor
- Hanlee Ji, Postdoctoral Research Mentor

PATENTS

- Sharmili Roy, Minhaz Uddin Ahmed. "United States Patent US10889854B2 System and method for immobilization free electrochemiluminescence DNA detection using a luminophore dye for multi-species detection", Universiti Brunei Darussalam, Jan 12, 2021
- Sharmili Roy, Ibrahim Abdul Rahman, Minhaz Uddin Ahmed. "United States Patent US10465244B2 Electrochemical DNA biosensor using graphene biochip for species identification", Universiti Brunei Darussalam, Nov 5, 2019

Publications

PUBLICATIONS

- **COVID-19 transmission, vulnerability, persistence and nanotherapy: a review.** *Environmental chemistry letters*
Khan, A. H., Tirth, V., Fawzy, M., Mahmoud, A. E., Khan, N. A., Ahmed, S., Ali, S. S., Akram, M., Hameed, L., Islam, S., Das, G., Roy, S., Dehghani, et al
2021: 1–15
- **Immunotherapeutics for Covid-19 and post vaccination surveillance.** *3 Biotech*
Sampath Kumar, N. S., Chintagunta, A. D., Jeevan Kumar, S. P., Roy, S., Kumar, M.
2020; 10 (12): 527
- **Diverse Molecular Techniques for Early Diagnosis of COVID-19 and Other Coronaviruses** *Diagnostic Strategies for COVID-19 and other Coronaviruses*
Roy, S., et al
Springer .2020: 135–159
- **Diagnostic Strategies for COVID-19 and other Coronaviruses** *Medical Virology: From Pathogenesis to Disease Control*
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- **Insights into Novel Coronavirus and COVID-19 Outbreak** *Diagnostic Strategies for COVID-19 and other Coronaviruses*

Roy, S.

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