



Faruk Hossen

Postdoctoral Scholar, Ophthalmology

Bio

STANFORD ADVISORS

- Yang Sun, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Endothelial Nucleoporin93 (Nup93) Maintains Vascular Function via Sun1-Dependent Regulation of RhoA-eNOS Signaling.** *bioRxiv : the preprint server for biology*
Nguyen, T. D., Khan, Y. Z., Hossen, F., Makim, R., Banks, J. M., Michalkiewicz, J., Winek, M. A., de Moraes, L. H., Lee, J. C., Phillips, S. A., Lee, M. Y.
2025
- **Oligomeric Amyloid- β and Tau Alter Cell Adhesion Properties and Induce Inflammatory Responses in Cerebral Endothelial Cells Through the RhoA/ROCK Pathway.** *Molecular neurobiology*
Hossen, F., Geng, X., Sun, G. Y., Yao, X., Lee, J. C.
2024; 61 (11): 8759-8776
- **Oligomeric Tau-induced oxidative damage and functional alterations in cerebral endothelial cells: Role of RhoA/ROCK signaling pathway.** *Free radical biology & medicine*
Hossen, F., Sun, G. Y., Lee, J. C.
2024; 221: 261-272
- **FAK regulates tension transmission to the nucleus and endothelial transcriptome independent of kinase activity.** *Cell reports*
Akhter, M. Z., Yazbeck, P., Tauseef, M., Anwar, M., Hossen, F., Datta, S., Vellingiri, V., Chandra Joshi, J., Toth, P. T., Srivastava, N., Lenzini, S., Zhou, G., Lee, et al
2024; 43 (6): 114297
- **Moringa oleifera is a Prominent Source of Nutrients with Potential Health Benefits.** *International journal of food science*
Islam, Z., Islam, S. M., Hossen, F., Mahtab-Ul-Islam, K., Hasan, M. R., Karim, R.
2021; 2021: 6627265
- **T helper 2-driven immune dysfunction in chronic arsenic-exposed individuals and its link to the features of allergic asthma.** *Toxicology and applied pharmacology*
Rahman, A., Islam, M. S., Tony, S. R., Siddique, A. E., Mondal, V., Hosen, Z., Islam, Z., Hossain, M. I., Rahman, M., Anjum, A., Paul, S. K., Hossen, F., Sarker, et al
2021; 420: 115532
- **Arsenic exposure-related hyperglycemia is linked to insulin resistance with concomitant reduction of skeletal muscle mass.** *Environment international*
Mondal, V., Hosen, Z., Hossen, F., Siddique, A. E., Tony, S. R., Islam, Z., Islam, M. S., Hossain, S., Islam, K., Sarker, M. K., Hasibuzzaman, M. M., Liu, L. Z., Jiang, et al
2020; 143: 105890

- **Association between chronic arsenic exposure and the characteristic features of asthma.** *Chemosphere*

Siddique, A. E., Rahman, M., Hossain, M. I., Karim, Y., Hasibuzzaman, M. M., Biswas, S., Islam, M. S., Rahman, A., Hossen, F., Mondal, V., Banna, H. U., Huda, N., Hossain, et al
2020; 246: 125790

- **Dose-dependent relationships between chronic arsenic exposure and cognitive impairment and serum brain-derived neurotrophic factor.** *Environment international*

Karim, Y., Siddique, A. E., Hossen, F., Rahman, M., Mondal, V., Banna, H. U., Hasibuzzaman, M. M., Hosen, Z., Islam, M. S., Sarker, M. K., Nikkon, F., Saud, Z. A., Xin, et al
2019; 131: 105029