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Authors: Bijay K. Sah, Sarathi Kundu

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## ACCEPTED MANUSCRIPT

# Modification of Hysteresis Behaviors of Protein Monolayer and the Corresponding Structures with the Variation of Protein Surface Charges

Bijay K. Sah and Sarathi Kundu\*

Soft Nano Laboratory, Physical Sciences Division, Institute of Advanced Study in Science and Technology, Vigyan Path, Paschim Boragaon, Garchuk, Guwahati, Assam 781035, India

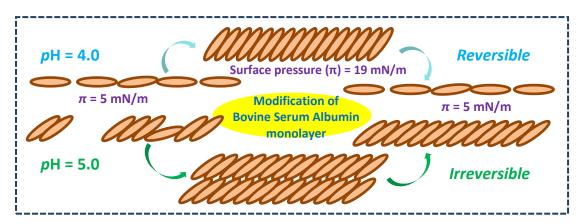
#### \*Corresponding Author:

sarathi.kundu@gmail.com

Phone: +91 361 2912075

Fax: +91 361 2279909

#### Graphical abstract



Reversible and irreversible hysteresis of bovine serum albumin (BSA) monolayer follows the pH of the subphase water.

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