

Indian Journal of Biochemistry & Biophysics

<http://www.niscpr.res.in>; <http://nopr.niscpr.res.in>

VOLUME 59 **NUMBER 9** **September 2022**
 CODEN: IJBBQ 59 (9) 863-942 (2022) ISSN: 0301-1208 (Print); 0975-0959 (Online)

CONTENTS

Minireview

- A review on phyto-nanotechnology for therapy of alzheimer's disease 867
 Gayathri Rajamanickam & Manju SL*

Papers

- The role of lipids and fatty acid metabolism in the development of prostate cancer 873
 Nanuli Kotrikadze*, Manana Alibegashvili, Liana Ramishvili, Nino Mikaia,
 Ana Khazaradze, Bela Sepiashvili, Irina Nakashidze, Manana Gordeziani & Sarfraz Ahmad*
- Evaluation of predictive machine learning models for drug repurposing against delta variant of SARS-CoV-2 spike protein 879
 Sudipta Dash*, Ishani Ishani, Dibyajit Lahiri & Moupriya Nag
- Effective adsorption of drug from aqueous solution using citric acid functionalized magnetite nanoparticles and their antibacterial studies 892
 Arti Jangra, Jaiveer Singh, Jai Kumar, Keerti Rani & Ramesh Kumar*
- Potential anticancer peptides design from the cysteine rich plant defensins: An *in silico* approach 900
 Mohd Shafique* & Siddhartha P Sarma
- Computational studies on new Leishmanial drug targets against Quercetin 909
 Kanagaraj Jyothi*, V Sivaranjani, U Pavithra, Sridhar Jayavel & Lakshmanan Muthulakshmi*
- Isolation and characterization of native *Rhizobium* from root nodules of raikia french bean growing area of Odisha 918
 Himani Verma, Ranjan Kumar Patra, Debadatta Sethi* & Sushanta Kumar Pattanayak
- A bioinformatic approach towards designing a human papilloma virus vaccine based on L1 capsid protein sequence of HPV45 927
 Nihayatul Karimah, Asri Sulfiati & Astutiati Nurhasanah*

Note

- Fabrication of PVA-Silver nanoparticle composite film for elimination of microbial contaminant from effluent 936
 Ayantika Dutta¹, Purbali Dutta¹, Tithi Kayal¹, Sayoni Ray¹, Mukta Dutta¹, Krittika Ghosh¹,
 Soumi Biswas¹, Swapnaneel Sarkar¹, Aparupa Bera¹, Maharghya Saha¹, Kalyanashis Mandal²,
 Anirban Bhar² & Samrat Paul^{1*}

*Author for correspondence

Author Index

Ahmad S	873	Karimah N	927	Paul S	936
Alibegashvili M	873	Kayal T	936	Pavithra U	909
Bera A	936	Khazaradze A	873	Rajamanickam G	867
Bhar A	936	Kotrikadze N	873	Ramishvili L	873
Biswas S	936	Kumar J	892	Rani K	892
Dash S	879	Kumar R	892	Ray S	936
Dutta A	936	Lahiri D	879	Saha M	936
Dutta M	936	Mandal K	936	Sarkar S	936
Dutta P	936	Manju SL	867	Sarma SP	900
Ghosh K	936	Mikaia N	873	Sepiashvili B	873
Gordeziani M	873	Muthulakshmi L	909	Sethi D	918
Ishani I	879	Nag M	879	Shafique M	900
Jangra A	892	Nakashidze I	873	Singh J	892
Jayavel S	909	Nurhasanah A	927	Sivaranjani V	909
Jyothi K	909	Patra RK	918	Sulfianti A	927
		Pattanayak SK	918	Verma H	918

Keyword Index

Adsorption process	892	Dissolved Oxygen	936	Nanotechnology	867
Amyloid plaque	867	Drug repurposing	879	Natural products	867
Analytical assessments	873	Free fatty acids	873	Peptides	900
Antibacterial activity	892	French bean	918	Peroxidation	873
Antibiotics	918	Generation time	918	Phospholipids	873
Anticancer peptides	900	HPV45	927	Plant defensins	900
Anti-leishmanial drug	909	Immune response	927	Prostate cancer	873
Bioinformatics	927	Interferon-gamma induction	900	PVA-AgNp composite film	936
Bioremediation	936	Leishmaniasis	909	Quercetin	909
Blood-brain barrier	867	Lipids	873	Regression model	879
BOD	936	Machine learning	879	Rhizosphere	918
Cancer	900	Magnetite nanoparticles	892	SARS-CoV-2	879
Ciprofloxacin	892	Metabolism	873	Silver nanoparticle	936
Citric acid	892	Molecular docking	879	Stress tolerance	918
CNS	867			Vaccine design	927
Consensus sequence	927				
<i>De novo</i> synthesis	873				