FacultyDetailsProformaForCollegeWeb-site

Title	Dr.	First Name	Pallavi	Last Name	Sethi	Photograph
Designation		**Assistant Professor**				
Address		**Department Of Zoology, Daulat Ram College , Delhi University 110007**				
Phone No. Office		**9571746257**				
Residence		**Shalimar Bagh, New Delhi**				
Mobile No.		**9571746257**				
Email - ID		**pallavi@dr.du.ac.in**				
Web Page						

Educational Qualification

Degree	Institution	Year
B.Sc.	MDS University, Ajmer, India	2002
M.sc. Biotechnology	University of Rajasthan, Jaipur, India	2005
M.sc. Zoology	Maharaja Gangasingh University, Bikaner, India	2022
Ph.D.	JMI and JNU, New Delhi, India	2011
Post Doctoral Fellowship	University of Kentucky, Lexington, KY	2015
Young Scientist (DST)	Institute of Nuclear Medicine and Allied Sciences	2016-2019

Career Profile

As a educationalist i am trying to facilitate the transfer of knowledge through presentations, discussions, and debate. I being a teacher would like to create the innovative learning environment for the student by providing them an opportunity to present their work, at the same time review their peer group work. I am also trying to introduce a weekly questionnaire on the topics being taught for internal assessment. I believe in crafting students overall development through by balancing their emotional and social well being along with their education. Also being a researcher i would like to persue my passion towards developing a Cancer Research and Drug Delivery laboratory.

Administrative Assignments

Areas of Interest/Specialization

Biochemistry, Molecular Biology, Biotechnology and physiology. Also my long term research interest is to develop a novel strategy for selective, radiation therapy-amplified drug delivery by dual-drug nanoparticles to target tumor by understanding its microenvironment.

Subjects Taught

Biochemistry, Human Physiology, Cell Biology, Developmental Biology, Evolutionary Biology, Ecology, Animal Diversity

Research Guidance

Publications Profile

Nidhi Goswami1,2, **Pallavi Sethi2**,3, Amar Jyoti2 , Garima Nagar1 , Shradheya R.R. Gupta1 , Archana Singh4 *, Indrakant Kumar Singh1,5*. Plant-derived bioactive compounds in Neuroblastoma therapeutics: Current outlook and future perspective. 10-Jul-2022, Accepted and Published on: 25-Sept-2022

Jaswal A P, Hazari PP, Prakash S, **Sethi P**, Kaushik A, Roy B G, Kathait S, Singh B, Mishra A K [^{99m}Tc]Tc-DTPA-Bis(cholineethylamine) as an Oncologic Tracer for the Detection of Choline Transporter (ChT) and Choline Kinase (ChK) Expression in Cancer. ACS Omega. 2022. 7(15):12509-12523.

Stocke NA, **Sethi P**, Jyoti A, Chan R, Arnold SM, Hilt JZ, Upreti M. Toxicity evaluation of magnetic hyperthermia induced by remote actuation of magnetic nanoparticles in 3D micrometastasic tumor tissue analogs for triple negative breast cancer. Biomaterials. 2017 Mar;120:115-125

Chan R, **Sethi P**, Jyoti A, McGarry R, Upreti M. Investigating the Radioresistant Properties of Lung Cancer Stem C in the Context of the Tumor Microenvironment. Radiation Research (2016) Feb;185(2):169-81. 10.1667/RR14285.1.

Upreti M, Jyoti A, Johnson SE, Swindell EP, Napier D, **Sethi P**, Chan R, Feddock JM, Heidi L Weiss, O'Halloran TV, Evers Radiation-enhanced therapeutic targeting of galectin-1 enriched malignant stroma in triple negative breast cancer. Oncota (2016) May 19. doi: 10.18632/oncotarget.9490.

Sethi P, Jyoti A, Swindell EP, Chan R, Langner UW, Feddock JM, Nagarajan R, O'Halloran TV, Upreti M. 3D Tumor tissue analogs and their orthotopic implants for understanding tumor-targeting of microenvironment-responsive nanochemotherapy and radiation. Nanomedicine: Nanotechnology, Biology, and Medicine. 11(2015) 2013–2023.

Jyoti A, **Sethi P**, Fugit K, Langner U, Clair WS., McGarry RC.,. Anderson BD, Upreti M. An in vitro assessment of sustained release of nanoliposomal topotecan simulating a low-dose metronomic chemotherapy in combination with radiation. Scientific Reports, Nature Publishing Group. Accepted.

Schuessler TK, Chan XY, Chen HJ, Ji K, Park KM, Roshan-Ghias A, **Sethi P**, Thakur A, Tian X, Villasante A, Zervantonakis IK, Moore NM, Nagahara LA, Kuhn NZ. Biomimetic tissue-engineered systems for advancing cancer research: NCI Strategic Workshop report. Cancer Res. 2014 Oct 1;74(19):5359-63.

Upreti M, Jyoti A, **Sethi P**. Tumor microenvironment and nanotherapeutics. Transl Cancer Res 2013;2(4):309-319. doi: 10.3978/j.issn.2218-676X.2013.08.11

Sethi P, Hussain E, Sharma D. Curcumin attenuates aluminium-induced functional neurotoxicity in rats. Pharmacol Biochem

Behav. 2009. 93:31-39. Citations:**16**

Sethi P, Jyoti A, Singh R, Hussain E, Sharma D. Aluminium-induced electrophysiological, biochemical and cognitive modifications in the hippocampus of aging rats. Neurotoxicology. 2008. 29:1069-1079. Citations:**25**

Sharma D, **Sethi P,** Hussain E, Singh R. Curcumin counteracts the aluminium-induced ageing-related alterations in oxidative stress, Na+, K+ ATPase and protein kinase C in adult and old rat brain regions. Biogerontology. 2009.10:489-502. Citations:**15**

Jyoti A, **Sethi P** and Sharma D. Aging accelerates electrobehavioral progression and manifestation of seizures in FeCl3 induced model of post-traumatic epilepsy. Neurosci Lett. 2009.453:86-91. Citations:**9**

Jyoti A, **Sethi P** and Sharma D. Curcumin protects aging rats from electrobehavioral progression of seizures in Iron-induced experimental model of epileptogenesis. Epilepsy Behav. 2008. 14:300-308. Citations:**18**

Jyoti A, **Sethi P**, Sharma D. Bacopa monniera prevents from aluminium neurotoxicity in the cerebral cortex of rat brain**.** J Ethnopharmacol. 2007 Apr 20;111(1):56-62. doi: 10.1016/j.jep.2006.10.037. Epub 2006 Nov 11

Conference Organization/ Presentation (in the last three years)

Contributed as a resource person in the student training programme 'In-House Skill Development Program' "Unveiling the Animal World in Behavioural way" held by Department of Zoology, Daulat Ram College, University of Delhi from 23th of March to 8th of April 2023.

Contributed as a resource person in the student training programme 'In-House Skill Development Program' held by Department of Zoology, Daulat Ram college, University of Delhi from 13th of July to 19th of July 2022.

Participated in International conference of Infections and Immunity held by Daulat Ram College, University of Delhi From 8th October 2021 to 10th October 2021.

Contributed as a Resource Person in the student training workshop organized by Zoology Department, Daulat Ram College from 16th August 2021 to 21st August 2021, for imparting training to undergraduate students on "Research Analysis: Tools and Techniques"

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

Young Scientist Award ,DST (SERB)

Association with Professional Bodies

Other Activities

Contributed as a resource person in the student training programme 'In-House Skill Development Program' "Unveiling the Animal World in Behavioural way" held by Department of Zoology, Daulat Ram College, University of Delhi from 23th of March to 8th of April 2023.

Contributed as a resource person in the student training programme 'In-House Skill Development Program' held by Department of Zoology, Daulat Ram college, University of Delhi from 13th of July to 19th of July 2022.

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