

BRIEF CURRICULUM VITAE

Name: Dr.Monisha Banerjee
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Affiliation: **Professor, Molecular and Human Genetics Lab,
Department of Zoology
Director, Institute of Advanced Molecular Genetics and
Infectious Diseases (IAMGID), ONGC Centre for Advanced
Studies University of Lucknow, Lucknow-226007.**

Research Contribution

Prof. Monisha Banerjee has recently established the Institute of Advanced Molecular Genetics and Infectious Diseases (IAMGID), ONGC Centre for Advanced Studies, University of Lucknow in the year 2021. The main objective is to develop experienced manpower (Research Personnels) with expertise in molecular diagnostics and contribute to the health care system in the country.

Prof. Monisha Banerjee established the Molecular & Human Genetics Lab in the department in the year 2008. Prof. Banerjee and her team comprising of research students and post-docs are actively involved in genetic and epigenetic studies of complex diseases such as Type 2 Diabetes Mellitus, Cervical Cancer and Pulmonary Diseases. Her clinical collaborators are Prof. KauserUsman, Medicine, Prof. KirtiSrivastava, Radiotherapy, Prof. Renu Singh, Obs&Gyne, Prof. Suryakant, Pulmonary Medicine, KGMU, Lucknow.

Her group has established risk genotypes/haplotypes associated with T2DM, GDM, CaCx and COPD in the North Indian population. Pharmacogenetic studies in T2DM and CaCx have led to the identification of several risk alleles associated with treatment outcome. This will facilitate the designing of treatment strategies on a personalized basis. Her lab is also researching on anticancerous and antidiabetic molecules such as potential phytochemicals and natural compounds and their nano-formulations. Her lab is collaborating extensively with CSIR-CIMAP and departments of Chemistry and Physics, University of Lucknow for the nanotechnology research.

Prof. Banerjee and her team has contributed to the Indian Consortium for Diabetes (INDICO) and has been working in the field of association studies in type 2 diabetes for the more than 15 years. She has organized and offered research trainings in the area of Molecular and Human Genetics to several Ph.D students, researchers, post graduates and biomedical personnels.

Education:

Ph.D [1996]	Council of Scientific and Industrial Research-Central Drug Research Institute (CSIR-CDRI), Lucknow, India (Degree from Institute of Medical Sciences, Banaras Hindu University (BHU), Varanasi, India)
M.Sc [1990]	Banaras Hindu University, Varanasi, India.(Gold Medalist).
B.Sc [1987]	University of Kolkata, Kolkata, India

Prizes and Awards:

2018	SHIKSHAK SHREE Award for excellence in research & teaching from Directorate of Higher Education, Government of Uttar Pradesh
2013-2015	Elected Member of Executive Committee of Indian Society of Cell Biology
2011-2013	Elected Treasurer of Executive Committee of Indian Society of Cell Biology
2014	Travel award from DST-SERB, New Delhi for International Conference: The Human Genome Meeting (HGM2014) held at Geneva, Switzerland
2011	Member of IndianDiabetesConsortium (INDICO) for research in T2DM
2011	Travel grant from ICMR, New Delhi for invited lecture in 2 nd World Congress on Diabetes & Metabolism held in Philadelphia, USA
2011	Appreciation Medal and Citation from Zoological Society of India for outstanding research and academic contribution in the field of Molecular Genetics.
2000	Fellowship from INSA, CSIR, DST for attending and presenting paper at the 10 th International Congress of Human Genetics held at Vienna, Austria
1990	BHU Gold Medal and AB Misra Award for securing highest marks in M.Sc. Late Ramakrishna Reddy Memorial Award for securing highest in Biochemistry & Molecular Biology.
1989-90	Jawaharlal Nehru Scholarship during M.Sc at BHU, Varanasi.

Employment History:

2016-Till date	Professor, University of Lucknow, Lucknow, India
2011-2016	Associate Professor, University of Lucknow, Lucknow, India
2005-2011	Assistant Professor, University of Lucknow, Lucknow, India
2004-2005	Assistant Professor, Banaras Hindu University, Varanasi, India
2002-2004	Senior Research Associate, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, India
1999-2002	Research Associate, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, India
1997-1999	Research Associate, National Botanical Research Institute, Lucknow, India

Research Experience: 28 years

Teaching Experience: >20 years

Grants since 2008

S. No.	Year	Title	Cost in Rs.	Funding
1.	2023- on going	DBT- Builder University of Luck now Interdisciplinary Life Science Programme for Advance Research and Education. Project Co-ordinator	5.0 Cr	Department of Biotechnology (DBT), New Delhi
2.	2022- on going	Exploring the Potential role of CD36 in Beta cell dysfunction in Type 2 Diabetes Mellitus. PI	29.99L	Department of Science & Technology (DST)- SERB Power Grant, New Delhi
3.	2021-2024	Anticancerous potential of <i>Cynodondactylon</i> (Doob) in cervical cancer. PI	15.00 L	Research and Development Program

				Higher Education, Govt of UP, Lucknow
4.	2019-2021	Molecular analyses of genetic diseases and application to human health. PI	8.00 L	Centre of Excellence, Higher Education, Govt of UP, Lucknow
5.	2015-2018	Expression and polymorphic studies of antioxidant enzyme NOS in type 2 diabetes mellitus. PI	15.86 L	University Grants Commission (UGC), New Delhi
6.	2014-2016	Molecular analyses of genetic diseases and application to human health. PI	41.84 L	Centre of Excellence, Higher Education, Govt of UP, Lucknow
7.	2013-2016	Role of Aquaporin5 (AQP5) and ADAM33 gene polymorphism in COPD affected north Indian population. Co-PI	11.37 L	UGC, New Delhi
8.	2012-2014	Association of cytokine gene polymorphisms with Type 2 Diabetes and related Complications in North Indian population. PI	13.656 L	Department of Science & Technology (DST), New Delhi
9.	2011-2014	Association of oxidative stress pathway gene polymorphisms with type 2 diabetes and related complications. PI	45.282 L	Indian Council of Medical Research (ICMR), New Delhi
10	2011-2014	A Prospective Study of c-kit gene mutation, cytochrome P-450 and glutathione S-transferase Polymorphisms in cervix cancer. PI	7.14 L	Council of Science & Technology-Uttar Pradesh (UP-CST), Lucknow
11	2009-2012	Non-invasive method for prenatal diagnosis and mechanism of fetal DNA release into the maternal circulation. PI	11.0396 L	UGC, New Delhi
12	2008-2011	Association of <i>CD36</i> locus with Type II diabetes and related atherosclerosis. PI	27.22 L	Department of Biotechnology (DBT), New Delhi

Research Work

Ph.D students guided so far: 18, [a] Degree awarded: 11; Thesis submitted: 02; Working: 05
Post docs: 04 (CSIR-RA; DST Women Scientist; DS Kothari Fellow now selected as INSPIRE Faculty, UGC-PDF). Presently working : 04
M.Sc/M.Tech/B.Tech students : 30

Publications: 127(International, 65 & National, 23), Book Chapters: 20 (International, 04 & National, 16), Book Edited 01. **Conferences/Workshops:** 90(International & National),
Invited Talks: 21 (Intl, 09; Natl, 12)
Citations: 3308; h-index: 29; i10-index: 68

Teaching

- **Faculty** in M.Sc Zoology (Biochemistry, Molecular Biology, Genetics, Biotechnology).
- **Faculty** in M.Sc Molecular and Human Genetics at IAMGID, University of Lucknow.
- **Faculty In charge** of Genetics & Genomics course in Department of Zoology, University of Lucknow, Lucknow since 2006.
- **Faculty** in other departments of University of Lucknow, Lucknow: M.Sc Biostatistics & M.Sc Microbiology.

Selected Departmental and University Administration

- **Dean, Research**, Research Cell, University of Lucknow, Lucknow.
- **Additional Chief Provost & Provost** of Hostel, University of Lucknow, Lucknow
- **Faculty Incharge** of Central Equipment Facility and Computer Laboratory.
- Member of Institutional Animal Ethics Committee of CDRI, Lucknow.
- Member of all **Technical and Purchase committees** in the department.
- Committee member for preparation and implementation of UGC XII Plan, UGC-SAP, DST-FIST and DST-PURSE proposals.
- Organizing Secretary of Seminars & Workshops (2011-2016).
- Assistant Dean Students' Welfare, University of Lucknow, Lucknow (2007-2013).
- Resource person in Refresher Course in Zoology held in the department.

Selected Additional Positions

Life member of: Indian Society of Cell Biology (ISCB), Indian Society of Human Genetics (ISHG), Indian Science Congress (ISC), International Society of Applied Bioscience, Zoological Society of India (ZSI).

- **Reviewer** in several national and international journals like Plos One, Laboratory Investigation, International Journal of Immunogenetics, Indian Journal of Medical Research, Diabetes Technology & Therapeutics, Gene, Journal of Genetics, Genetic Testing & Molecular Markers, Projects from DBT, ICMR, India
- Ph.D, M.Sc, B.Sc **examiner** both internal and external.
- **Subject expert** in various Selection Committees.

Publications: Since 2017 till date

Sr. No.	Article	Authors	Journal	Year
1.	CD36 gene variant rs1761667(G/A) as a biomarker in obese type 2 diabetes mellitus	Shukla AK, Shamsad A, Kushwah AS, Singh S, Usman K, Banerjee M	The Egyptian Society of Human Genetics (Accepted)	2024
2.	PLGA-Quercetin Nano-Formulation Inhibits Cancer Progression via Mitochondrial Dependent Caspase-3,7 and Independent FoxO1 Activation with Concomitant PI3K/AKT Suppression	Yadav N, Tripathi A K, Parveen A, Shama Parveen S, Banerjee M	Pharmaceutics 16(1):124	2024
3.	Genetic and epigenetic alterations in DNA repair genes and treatment outcome of chemoradiotherapy in cervical cancer	Kushwah A S, Shireen Masood S, Mishra R, Banerjee M	Critical Reviews in Oncology/Hematology Volume 194, 104240	2024
4.	Design and synthesis of a potential candidate molecule designated as Diosgenin-Aceclofenac ester as an anticancer agent on SiHa cell line, its Spectroscopic, DFT and	Verma A, Rawat P, Singh A, Parveen S, Singh RP, Yadav A, Banerjee M , Singh S K	Journal of Molecular Structure 1302(1):137460	2024

	Molecular Docking Studies			
5.	Synthesis, Crystal Structure, Computational Investigation, Molecular Docking Analysis and Anti-lung Cancer Activity of Novel (Z)-3-amino-2-(cyclohexylidenehydrazono)thiazolidin-4-one	Ghous F, Shukla S, Singh R, Parveen S, Banerjee M , Bishnoi A	Journal of Molecular Structure 1285(1):135462	2023
6.	Synthesis, in-Silico investigations, molecular docking, ADMET, and anti-lung cancer activity studies of 1,2,4,5-tetraazaspiro [5.5] undecane-3-thione	Ghous F, Sonam S R Kumar S, Banerjee M , Bishnoi A	Chemical Physics 574(5):112053	2023
7.	Single-Step Synthesis, Characterization, Molecular Docking Studies and In Vitro Analysis of Norethindrone Conjugates	Srivastava S, Kumar A Pandey S, Parveen S Banerjee M	Chemistry Select 8(41)	2023
8.	Association of MMP7 T> C Gene Variant (rs10502001) and Expression in Chronic Obstructive Pulmonary Disease.	Kumar S, Swaroop S, Sahu A, Kant S, Banerjee M .	DNA and Cell Biology 1;42(9):548-53	2023
9.	Synergetic effects of boron nitride with waste zirconia: Evaluation of instantaneous fingerprint detection and mechanical properties for biomedical applications	Shweta, Tahir M, Kumar A S, Parveen S, Kumar S, Fatima Z, Mishra R K, Kumari S, Hussain A, Rao J, Banerjee M , Gautam C	Journal of the Mechanical Behavior of Biomedical Materials Volume 145, 106032	2023
10.	Phyto-synthesis of silver nanoparticles from Plumeriapudica leaf extract and its application in anti-cancerous activity	Shrivastava K S, AsitaKulshreshtha A, Gangwar K R, Srivastava S, Tiwari P A, Singh S, Kumar S, Parveen S, Banerjee M &Chaudhary D K	Journal of Experimental Nanoscience Vol. 18, no. 1, 2267183	2023
11.	Lipid polymer hybrid nanoparticles as potent vehicles for drug delivery in cancer therapeutics	Parveen S, Gupta P Kumar S, Banerjee M	Medicine in Drug Discovery Volume 20, December 2023, 100165	2023
12.	Genetic biomarkers for risk prediction of chronic obstructive pulmonary disease (COPD) in smokers and non-smokers	Sahu A, Kumar S, Kant S, Mishra S, Banerjee M	Human Gene 1;36:201179	2023
13.	Enhanced therapeutic efficacy of Piperlongumine for cancer treatment using nano-liposomes mediated delivery	Parveen S, Kumar S, Pal S, Yadav NP, Rajawat J, Banerjee M	International Journal of Pharmaceutics 25;643:123212.	2023

14.	TNF- α and MMPs mediated mucus hypersecretion induced by cigarette smoke: An <i>in vitro</i> study	Kumar S, Parveen S, Swaroop S, Banerjee M	Toxicology in Vitro1;92:105654	2023
15.	Phytonanomedicine: A therapeutic approach for cervical cancer	Parveen S, Masood S, Kumar S, Banerjee M	OpenNano24:100178.	2023
16.	Poly (ADP-Ribose) Polymerase: Role in regenerative medicine and stemness	Rajawat J, Banerjee M	Indian Journal of Biochemistry & Biophysics, 59: 977-984	2023
17.	A Review on Therapeutic Potential of Indian Herbal Plants to Counter Viral Infection and Disease Pathogenesis	Rajawat J, Banerjee M	Current Traditional Medicine, 9(6): 136-144	2023
18.	Half-sandwich ruthenium-arenethiosemicarbazones complexes: Synthesis, characterization, biological evaluation and DFT calculations	Dhariyal K, Parveen S, Kumar S, Banerjee M , Sharma P, Singh SK, Singh AK	Inorganic Chemistry Communications,152,2023, 110678, doi.org/10.1016/j.inoche.2023.110678.	2023
19,	Differential expression of DNA repair genes and treatment outcome of chemoradiotherapy (CRT) in cervical cancer	Kushwah AS, Srivastava K, Banerjee M	Gene, 868, 2023, 147389, doi.org/10.1016/j.gene.2023.147389.	2023
20.	Pharmaco-epi-genetic and patho-physiology of gestational diabetes mellitus (GDM): An overview *	Shamsad A, Kushwah AS, Singh R, Banerjee M	Health Sciences Review7, 100086 doi.org/10.1016/j.hsr.2023.100086	.2023
21.	Anticancerous and antioxidant properties of fabricated silver nanoparticles involving bio-organic framework using medicinal plant <i>Blumealacera</i>	Pandey PK, Gangwar C, Yaseen B, Kumar I, Nayak R, Kumar S, Naik RM, Banerjee M , Sarkar J	Chemical Papers 1-15 doi.org/10.1007/s11696-023-02723-5	2023
22.	PARP inhibitor olaparib induced differential protein expression in cervical cancer cells	Rajawat J, Awasthi P, Banerjee M	Journal of Proteomics. 275:104823. doi: 10.1016/j.jprot.2023.104823. Epub 2023 Jan 13. PMID: 36646275.	2023
23.	A convergent multicomponent synthesis, spectral analysis, molecular modelling and docking studies of novel 2H-pyrido[1,2-a]pyrimidine-2,4(3H)-dione derivatives as potential anti-	Afza N, Trivedi P, Bishnoi A, Parveen S, Kumar S, Banerjee M	Journal of Molecular Structure Vol 1279, 134982	2023

	cervical cancer agents.			
24.	Gabapentin loaded silver nanoparticles (GBP@AgNPs) for its promising biomedical application as a nanodrug: anticancer and antimicrobial activities.	Yaseen B, Gangwar C, Nayak, Kumar S, Sarkar, Banerjee M , Mohan R N	Inorganic Chemistry Communications Vol 149, 110380	2023
25.	Pharmacogenetic impact of SLC22A1 gene variant rs628031 (G/A) in newly diagnosed Indian T2D patients undergoing metformin monotherapy. *	Singh S, Shukla AK, Usman K, Banerjee M	Pharmacogenetics and Genomics 33(3):51-58. doi: 10.1097/FPC.0000000000000493.	2023
26.	Anthro-demographic, clinic-pathological and biochemical risk factors in cervical cancer	Kushwah AK, Mishra R, Srivastava K, Mishra S, Banerjee M	International J of Health Sciences 6(S8): 3641-3653	2022
27.	Combinatorial therapy of Cynodondactylon and Metformin with Cisplatin in cervical cancer	Kushwah AS, Mishra R, Shukla AK, Banerjee M	Journal of Scientific Research 60(4)	2022
28.	Association of Dyslipidemia, Renal dysfunction, and Uricemia with HPV mediated Cervical Cancer	Kushwah AS, Mishra R, Srivastava K, Mishra S, Banerjee M	doi:10.21203/rs.3.rs-1821603/v1	2022
29.	Protease-activated receptor 1 mediated altered Ca ²⁺ signaling in gliomas	Tripathy S, Almutairi BO, Singh S, Rawat A, Dubey D, Banerjee M, Modi DR, Prakash A	Journal of King Saud University-Science, 34(4): 102039	2022
30.	Coagulation proteases and neurotransmitters in pathogenicity of glioblastomamultiforme.	Tripathy S, Singh S, Banerjee M, Modi DR, Prakash A.	International J Neuroscience, 8:1-11. doi: 10.1080/00207454.2022.2107514.	2022
31.	Higher expression of PAR-1 may be associated with severity of Glioblastomas	Tripathy S, Singh S, Siddiqui SA, Rawat A, Modi DR, Banerjee M, Sobti RC, Prakash A		2021
32.	Risk Prediction of Type 2 Diabetes Mellitus (T2DM) in Indian Families Using Antioxidant Gene Variants	Atar S Kushwah, Pushpank Vats, KauserUsman, Monisha Banerjee	Current Pharmacogenomics and Personalized Medicine 19(2): 100-111.	
33.	Pregnenolone derivatives as potential anti-lung cancer agents: A combined <i>in silico</i> and <i>in vitro</i> approach.	Sethi A, Yadav P, Singh RP, Kumar S, Parveen S, Singh A, Yadav A, Banerjee M	Journal of the Chinese Chemical Society 69(6): 872-883 doi.org/10.1002/jccs.202200040	2022
34.	Understanding role of DNA repair and cytochrome p-450 gene polymorphisms in cervical cancer patient treated with concomitant chemoradiation.	Abbas M, Kushwaha VS, Srivastava K, Banerjee M	British Journal of Biomedical Sciences 79, 10120 doi.org/10.3389/bjbs.2021.10120	2022

35.	Silver nanoparticles fabricated by tannic acid for their antimicrobial and anticancerous activity.	Gangwar C, Yaseen B, Nayak R, Parveen S, Singh NK, Sarkar J, Banerjee M , Naik R	Inorganic Chemistry Communication 141, 109532 doi.org/10.1016/j.inoche.2022.109532	2022
36.	SNPs of <i>FOXO1</i> and their interactions contributes to the enhanced risk of diabetes among elderly individuals.*	Hussain S, Yadav SS, Dwivedi P, Banerjee M , Usman K, Nath R, Khattri S	DNA and Cell Biology 41(4): 381-389 doi.org/10.1089/dna.2021.1139	2022
37.	Evaluation of the effect of <i>FOXO3</i> rs13217795 genotype and minor allele (C) on clinical chemistry and genetic risk of diabetes among the elderly individuals from Northern India.	Hussain S, Yadav S, S, Banerjee M , Usman K, Khattri S	Molecular Syndromology 13:99-107. doi: 10.1159/000518636	2022
38.	Experimental and theoretical investigation of synthesized pregnenolone derivatives via palladium catalyzed cross coupling reactions, their anticancer activity against lung cancer cells	Yadav P, Pandey SK, Parveen S, Kumar S, Banerjee M , Sethi A	Journal of Molecular Structure 1245, 131115. doi: 10.1016/j.molstruc.2021.131115	2021
39.	Cytokine Gene Variants and Socio-Demographic Characteristics as Predictors of Cervical Cancer: A Machine Learning Approach	Kaushik M, Joshi RC, Kushwah AS, Banerjee M , Burget R, Dutta MK	Computers in Biology and Medicine. Jun 8;134:104559.	2021
40.	Angiotensin-converting-enzyme 2 and Renin-angiotensin system inhibitors in COVID-19: An Update	Shukla AK, Banerjee M	High Blood Pressure and Cardiovascular Prevention Mar;28(2):129-139.	2021
41.	Genetic polymorphisms in TCF7L2 and PPARG genes and susceptibility to Type 2 diabetes mellitus	Verma S, Banerjee M , Srivastava N	Meta Gene Jun 1;28:100864	2021
42.	Signatures for Chronic Obstructive Pulmonary Disease (COPD) and Asthma: A comparative genetic analysis	Sahu A, Swaroop S, Kant S, Banerjee M	British Journal of Biomedical Science May 1:1-7	2021
43.	DFT Study on the Electronic Properties, Spectroscopic Profile, and Biological Activity of 2-Amino-5-trifluoromethyl-1, 3, 4-thiadiazole with Anticancer Properties	Singh I, Al-Wahaibi LH, Srivastava R, Prasad O, Pathak SK, Kumar S, Parveen S, Banerjee M , El-Emam AA, Sinha L.	ACS Omega 13;5(46):30073-87	2020
44.	Present and future of artificial intelligence in dentistry	Tandon D, Rajawat J and Banerjee M	Journal of Oral Biology and Craniofacial Research 10(4):391-396	2020

45.	Synthesis of 1, 8-dioxooctahydroxanthene derivatives using ionic liquids, quantum chemical studies and anticancer activity	Sangwan R, Saini M, Verma R, Kumar S, Banerjee M , Jain S	Journal of Molecular Structure. 15;1208:127786.	2020
46.	Development of a Drosophila melanogaster based model for the assessment of cadmium and mercury mediated renal tubular toxicity	Saini S, Rani L, Shukla N, Banerjee M , Chowdhuri DK, Gautam NK	Ecotoxicology and Environmental Safety. 15;201:110811	2020
47.	Centrosomal Protein 55: A New Paradigm in Tumorigenesis	Tandon D, Banerjee M	European Journal of Cell Biology. 20:151086.	2020
48.	Designing of precise vaccine construct against visceral leishmaniasis through predicted epitope ensemble: a contemporary approach	Singh G, Pritam M, Banerjee M , Singh AK, Singh SP	Computational Biology and Chemistry. 14:107259	2020
49.	Potential of nano-phytochemicals in cervical cancer therapy	Yadav N, Parveen S, Banerjee M	ClinicaChimicaActa. 505:60-72.	2020
50.	Cytokine gene variants and treatment outcome of cisplatin based concomitant chemoradiotherapy in cervical cancer	Kushwah AS, Gupta MK, Singh R, Banerjee M	British Journal of Biomedical Science, doi: 10.1080/09674845.2020.1714164	2020
51.	Synthesis of novel steroids using Mizoroki-Heck reaction, their spectroscopic analysis, anticancer activity against cervical cancer and DFT studies.	Sethi A, Singh P, Yadav N, Prakash R, Singh RP, Yadav P, Banerjee M.	Journal of Molecular Structure, 15;1204:127512.	2020
52.	Genome based screening of epitope ensemble vaccine candidates against dreadful visceral leishmaniasis using immunoinformatics approach	Singh G, Pritam M, Banerjee M , Singh AK, Singh SP	Microbial Pathogenesis, 136:103704 doi: 10.1016/j.micpath.2019.103704	2019
53.	Genotypic analysis of XRCC4 and susceptibility to cervical cancer	Gupta MK, Kushwah AS, Singh R, M Banerjee	British Journal of Biomedical Science , 13:1-6 doi: 10.1080/09674845.2019.1637573	2019
54.	Interaction of antioxidant gene variants and susceptibility to type 2 diabetes mellitus	Banerjee M , Vats P, Kushwah AS, Srivastava N	British Journal of Biomedical Science 22:1-6. doi:10.1080/09674845.2019.1595869.	2019
55.	Genetic polymorphisms in DNA repair genes and their association with cervical cancer in North Indian population.	Abbas M, SrivastavaK, Imran M, Banerjee M	British Journal of Biomedical Science 76(3): 117-121 doi.org/10.1080/09674845.2019.1592884	2019
56.	Greener approach for synthesis of novel steroidal prodrugs using ionic liquid, their DFT study and apoptosis activity in prostate cancer cell line.	Sethi A, Singh P, Yadav N, Yadav P, Banerjee M , Singh RP	Journal of Molecular Structure, 1180: 733-740.	2019
57.	Impact of GSTM1, GSTT1 and GSTP1 genes polymorphisms on clinical toxicities and response to	Abbas M, Kushwaha VS, Srivastava K, Raza ST, Banerjee M	British Journal of Biomedical Science 75(4):169-174.	2018

	concomitant chemoradiotherapy in cervical cancer.		doi.org/10.1080/09674845.2018.1482734.	
58.	Synthesis, spectroscopic analysis (FT-IR, UV and NMR) and DFT analysis of novel prodrugs of pregnane, their apoptotic activity in cervical cancer cell lines	Sethi A, Singh RP, Yadav N, Banerjee M	Journal of Molecular Structure, 1166: 54-62.	2018
59.	Evidence of genetic heterogeneity in communities from Uttar Pradesh using <i>IL-1RN</i> gene polymorphism. 2018 (IJRSR-9770/2018)	Singh S, Mishra G, Kushwah AS, Banerjee M	International Journal of Recent Scientific Research, 9 (1): 23412-23415	2018
60.	Cytokine gene variants as predictors of type 2 diabetes mellitus	Saxena M, Srivastava N, Banerjee M	Current Diabetes Review 14(3): 307-319.	2018
61.	Synthesis, spectroscopic characterization, theoretical study and antihepatic cancer activity study of 4-(1E,3Z,6E)-3-hydroxy-7-(4-hydroxy3-methoxyphenyl)-5-oxohepta-1,3,6-trien-1-yl)-2-methoxyphenyl 4- nitrobenzoate, a novel curcumin congener	Srivastava S , Gupta P, Singh RP, Jafri A, Arshad M, Banerjee M	Journal of Molecular Structure, 1141: 678-686.	2017
62.	Association of antioxidant gene variants with type 2 diabetes mellitus in different ethnic groups	Vats P, Kushwah AS, Banerjee M	European Journal of Biomedical and Pharmaceutical Sciences, 4(9): 290-298	2017