

Department of Biotechnology					
YEAR- 2005					
S. No.	MSc. Pass outs Names	Email ID	Permanent Address	CURRENT PLACEMENT	DESSERTATION'S TOPIC
1	Amit Kishore	amitkishore.bio@gmail.com	Pavate House, PAU campus, Punjab Agricultural University, Ludhiana 141004	Team lead and Lead Scientist, AccuScript Consultancy	
2	Anuradha Upadhyay	anuradha11982@gmail.com	Mumbai	Radio Jockey/Voice over, Artist/Entrepreneur(All India Radio, Mumbai)& Celebrity coordinator, Event management(Akshar Media Productions, Mumbai)	
3	Ashok Kumar Yadav	mails2ashok@gmail.com		Assistant Professor, Department of Experimental Medicine and Biotechnology, Postgraduate Institute of Medical Education and Research, Chandigarh	
4	Deepak Kukkar	deepakkukkar@gmail.com , dr.deepakkukkar@gmail.com	Modern Valley - II, Fatehgarh Sahib - 140406, Punjab	Assistant Professor, Sri Guru Granth Sahib World University, Fatehgarh Sahib - 140406, Punjab and Visiting Professor at the Department of Civil and Environmental Engineering, Hanyang University, Seoul, Republic of Korea since February 01, 2021.	
5	Deepti Gulati	deeptigulati02@gmail.com	Dehradun, Uttarakhand	Associate Professor, Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun	
6	Ehtesham Siddiqui	ehtesham.ses@gmail.com	Stellar Jeevan, R-407, Sector -1, Plot Gh-03, Greater Noida West, 201306	General Manager- North India, Rentokil Initial	
7	Niha kulshreshtha	nihamk24@gmail.com		Research Associate, Malaviya National Institute of Technology, Jaipur (Rajasthan)	
8	Niti				
9	Ruchi Singhal	ruchichdgoel@gmail.com			
10	Savita Bishnoi	savibishnoi@gmail.com			
11	Seema Kasana	seemakasana20@gmail.com			
12	Shilpi Sharma	shilpibiotech@gmail.com			
13	Sugandha	sugandha092001@yahoo.co.in			
14	Swati Arya	sa212@st-andrews.ac.uk	United Kingdom (prefer not to share)	Wellcome trust Research Fellow, University of St Andrews	
YEAR- 2006					
1	Ajay Deepak Verma	deepak.ajay@gmail.com	F-3, Srilaxmi Nilayam, Street 11, HMT Nagar, Nacharam Hyderabad Telangana 500076	Postdoctoral Fellow, CSIR CCMB, Hyderabad	
2	Lavina	lavina.gharu@gmail.com	53 PISAstraat, 5237 EK, Den Bosch, Netherlands	Research Scientist, Utrecht Medical Center, Utrecht, Netherlands	
3	Neha Singla	nsingla982@gmail.com	Mumbai	Manager, Drug Safety, TCS Mumbai, Tata Consultancy Services	

4	Ravindresh Chhabra	ravindreshchhabra@gmail.com	377, Model Town, Phase-1, Bathinda	Assistant Professor, Central University of Punjab	
5	Vishwa mohan	mohan.vishwa@gmail.com	Morton grove, IL	Research Associate, Northwestern University	
6	Neha Singh				Study of XPD23 polymorphism in leather industry workers
7	Aditi Bakshi	adi.bakshi@gmail.com	A-8 Shivam Apartment, D - Block, Vikas puri, New Delhi 110018	SEO RELATED CONENT WRITING (SEO Pride, Noida), FREELANCE- Website content designing (work from home)	
8	Richa Gupta	richag126@gmail.com	Pennsylvania, USA	Scientific Investigator: Genomic Biomarkers, GlaxoSmithKline	
9	Saurabh Kant Bhardwaj	kbsaurabh@yahoo.com	308 quarry point road Malvern, Pennsylvania, USA	Senior Scientist, API -Cell and Gene Therapy, Janssen	
10	Vivek Mahajan	vivekmahajan84@gmail.com	USA	Scientific Leader, Glaxo SmithKline, Oncology R&D, USA	
11	Rajni Batta				Molecular genetic studies on the glutathione-s-transferase gene polymorphisms in human prostate cancer.
YEAR 2007					
1	Saurabh Kant Bhardwaj				Protocol selection for bisulfite treatment & DNA purification methyl specific (ms) – PCR on DNA Samples for urinary bladder cancer tissues.
2	Arshdeep kaur				Cloning of dapA GENE OF E. coli DH5a IN A VECTOR, Pqe-30.
3	MD. Ashraf hussain				Study of effect of different hormones (Kinetin, BA3,2,4-D) in embryo culture of jatropha curcas.
4	Latika Kohli				Cloning of dapA GENE OF salmonella typhimurium LT2 IN E.coli M15.
5	Gunjan ,Chopra				Partial cloning & sequencing of flavanone-3-hydroxylase gene from phylanthus emblica L. (AMLA)
6	Antar Puneet virk				Catalytic mediation of fungal & bacterial laccase by indigo carmine
7	Richa Gupta				Isolation & screening of thermophilic bacteria for Thermostable restriction endonuclease.
8	Vivek mahajan				Cloning of dapA GENE OF pseudomonas aeruginosa 1934 IN E. coli M15.
9	Nayan Tara				Expression of cloned dapB GENE OF pseudomonas aeruginosa IN E. coli BL21

10	Nidhi				Screening & Selection of thermophilic bacteria producing thermostable amylase.
11	Rakhee				Effect of laccase on electron transport chain in γ -proteobacterium.
12	Gautam Sharma				Establishment of quorum sensing in thermophiles.
YEAR 2008					
1	Reetika Manhas	reetikamanhas@gmail.com	28 McCrae Street, Maddingley, Bacchus Marsh, Victoria 3340 Australia	Post-doctoral Fellow, The University of Melbourne	
2	Alamjit Kaur Danewalia				Screening of plant extracts for alpha amylase inhibitor(S).
3	Rupali Setia				Cellular and molecular studies on stem cell differentiation : role of external & internal stimuli.
4	Ashutosh Sharma				Recovery of recombinant chitinase from inclusion bodies
5	Farzaneh Aboualizadeh				“ Directed evolution to screen and characterize cold adapted lipase”
6	Ankush Kher				Development of siderophore based system for screening of lactonase.
7	Shailesh Kumar				“ Directed evolution lipase gene for enhancement of enzyme activity”
8	Smita sharma				Characterization of peroxidases from <i>sapindus trifoliatus</i> & <i>armoracia rusticana</i> .
9	Navita Allagh				Directed evolution for thermostabilization of lipase.
10	Reetika Manhas				Study of vitamin D receptor (VDR) GENE taq1 polymorphism in healthy individuals from north Indian population.
11	Nishi Sandi				Preparation of bacterial consortium for the biodegradation of wheat-bran
12	Anila Negi				Production & immobilization of CMCase from <i>Bacillus shpaericus</i> js1
13	Aanchal				Study of IL-4 Gene polymorphism in healthy individuals from northern India.
14	Kirandeep kaur				Biological treatment of 2,4,6-trichlorophenol by <i>trametes hirsute</i>
15	Gurinder jeet				Isolation production & characterization of L-Asparaginase from bacterial strains
YEAR - 2009					

1	Gurinder Bir Singh				Bioremediation of phenolic compounds from waste water using peroxidases from sapindus & amoracia ruticana.
2	Neha lakhanpal				Partial cloning & sequencing of squaence synthase gene from Chlorophytum borivilianum. (Safed Musli)
3	Parul Shivhare				Screening for lactonases from soil isolates & checking its effects on quorum sensing in Acinetobacter species. (2 Copies)
4	Amanjot Kaur				Lactonase mediated quorum qenching potencial of extreme thermophilic bacteria.
5	Vasundhra Bahl				Differentiation of C3H10T1/2 Cells in to Adipocytst identification of Molicular markers.
6	Neha Goyal				Polimorphism of cytokine gene IL12B & risk of prostate cancer: A case control study of North-Indian population.
7	Nandita Dogra				Cloning & Expression of Rv2970c, gene product, Lip N.
8	Karan Goyal				Molicular approaches to study myogenic differentiation in mouse mesenchymai stem cell line (C3H10T1/2)
9	Shikha Bhardwaj				Cloning of mur F GENE OF mycobacterium tuberculosis H37Rv in E.Coli DH5a.
10	Gurkamaljit Kaur				Cloning & Expression of Chitinase Gene of Enterobacter sp. NRG4in E. coli.
11	Navsangeet kaur				Evaluation of AttM Lactonase as a quorum quencher in Pseudomonas aeruginosa.
12	Aurobind Vidyarthi				characterization of a thermostable lipase from metagenomic DNA"
13	Stuti Arya				Cloning & Biochemical characterization of a thermostable lipase.
14	Monica Mittal				Partial Cloning & sequencing of chalcone isomerase's from phyllanthus emblica L. (AMLA)
15	Vibha Mandhan				Partial cloning & sequencing of chalcone synthase gene from phyllanthus emblica L (AMLA)

16	Tarunmeet Gujral				Studies on the production & characterization of Alkaline protease from soil microorganisms
17	Richa Malhotra				Partial purification & characterization of hen egg white lysozyme.
YEAR - 2010					
1	Amandeep Kaur				Cloning of lip gene for intracellular lipase production
2	Bhawna Rastogi				Anti-quorum sensing potential of Glycyrrhiza glabra against P. aeruginosa PA01
3	Harleen Kaur				Partial cloning & sequencing of glycosyl transferase gene from chlorophytum borivilianum (safed musli)
4	Manisha Dass				Cloning of npdl gene from picric acid degrading strain of Bacillus species
5	Mukul Sharma				Molecular Cloning of C-terminal domain of murB gene of Mycobacterium tuberculosis H37Rv in Pet28c vector.
6	Navkiran Kaur				Molecular cloning of mraY gene of Mycobacterium tuberculosis H37Rv strain in E.coli DH5a & its expression in E.coli BL21 (DE3)-
7	Noreen Sodhi				Cloning of synthetic gene in E.coli DH5a & its expression in E.coli BL21 (DE3)-
8	Parminder Sandhu				Genration of truncated mutant from c-terminus of bacillus lipase.
9	Ratnika Sethi				Functional significance of apoptosis antagonizing transcription factor (AATF) gene in leukemic cells.
10	Sagar Kaushal				Identification & Molecular characterization of mutations & polymorphism in UGT1A1, gene in term & late term Neonates with severe hyperbilirubinemia.
11	Shaminder Singh				Isolation & Screening of lactonase producing bacteria from soil
12	Shikha Kaul				Characterisation of proteases from soil isolated bacteria.
13	Himshikha Bhutani				Cloning & expression of the fad binding domain of UDP-N-.
14	Savita Bains				Biosynthesis of gold nanoparticles by bacterial isolates.

15	Shatakshee Chatterjee				Alginate coated chitosan nonparticles as potential oral vaccine: synthesis and in vitro characterization.
16	Shiva Gupta				Partial cloning and sequencing of UDP glucose- flavonoid 3-o-glucosyl transferase gene (UFGT) from Phyllanthus emblica (Amla)
17	Shweta				Immobilization of peroxidases from sapindus mukorossi for the removal of phenolic compounds from waste water.
18	Manisha Wadhwa				Site directed mutagenesis of pectinase gene for increased stability.
YEAR - 2011					
1	Amoldeep Singh				Potential of glycyrrhige glabra to Inhibit Cathreter Adherence in Acinetobacter baumannii.
2	Rajdeep Kaur				Directed Evolution of lipase gene for modification of enzyme activity.
3	Sonal Jamwal				Interactions of newly synthesized B-Lactams with feasible targets and its antibacterial on some microorganisms.
4	Atin Sharma				Covalent immobilization of sapindus peroxidase on polyaniline & its use for bioremediation of 4-Clorophenol.
5	Shilpa Anand				Polymorphism of cytokine gene IL-6 & risk of breast cancer: A case study of north Indian population.
6	Navrattan Kaur				Generation of a thermostable enzyme by directed evolution.
7	Geetika Singh Battu				Expression of UDP-N-acetylenolpyruvylglucosamine reductase gene of acinetobacter baumannii in E.coli BL-21(DE3)
8	Ripudaman				Analysis of synonymous codon usage in the genus camellia.
9	Nidhi Pahwa				Cloning and expression of malathion degrading carboxylesterase gene from bacillus cereus strain PU.
10	Avantika Sharma				Partial purification & characterization of lactonase from a soil isolate.

11	Simran Kaur				Cloning & over expression of murB gene of enterococcus faecalis.
12	Tenzin Negi				Polymorphism of XPD gene & risk of breast cancer: A case control study of north Indian population.
13	Tavleen Kaur R. Singh				Green Synthesis of selenium nanoparticles & studied on their anti-oxidant & antimicrobial potential.
14	Vivek Dharwal				Covelent immobilization of sapindus peroxidase on glass breads for removal of 2,6-dichlorophenol from waste water.
15	Monu Batra				Cloning & expression of UDP-N-acetylmuramoyl-L-alanine:D-glutamate ligase (murD) GENE OF Mycobacterium tuberculosis H37Rv in Escherichia coli BL21-DE3.
16	Vikramjit Markanda				An epigenetics study involving quantitative DNA methylation pattern analysis of Asthma using LINE-COBRA method.
17	Khadim Hussain				Full leanth cloning of flavanone-3-hydroxylase (F3H) gene from phyllanthus emblica L, through Rapid amplification of cdna ends (RACE)
18	Varinder Singh				Reversal of promoter hypermethylation of PAX1 gene bye ethanolic extract of withania somnifera & ocimum sanctum.
19	Parvinder Kaur				Polimorphism of Cytokine IL-1B gene & risk of breast cancer: A case control study of Indian population.
YEAR - 2012					
1	Aasish Sharma				Construction of LipD knockout in Mycobacterium tuberculosis H37Ra strain.
2	Aman Mahajan				De novo transcriptome assemnlu & nanalysis of Chlorophutum borivilianum.
3	Amanpreet Kaur				Identification of novel protein biomarker in RCC using 2D gel eclectrophoresis. Evaluation of
4	Asmita Sharda				Terminalia chebula as an anti-uro lithiatic agent : An in vitro and in vivo study.

5	Dinesh Kumar				Cloning and expression of LipI (Rv1400c) gene from Mycobacterium tuberculosis H37Rv strain.
6	Divya Miglani				Caenorhabditis elegans as in vivo model system to study Acinetobacter baumannii pathogenesis.
7	Gagandeep Vinayak				Characterization of peroxidases from leaves, pulp and seeds of Aegle marmelos (Bael) and Ziziphus mauritiana. (Ber)
8	Gaurvee Sharma				An epigenetics study involving quantitative DNA methylation pattern analysis of Alu repeats in asthma patients using cobra method.
9	Harmandeep kaur				Polymorphism of CCR5 gene and risk of AIDS: a case control study among North Indian population. (2 copies)
10	Jaspreet kaur				Role of inorganic phosphate in the production of virulence factors of Acinetobacter baumannii.
11	Kunzes Dolma				Analysis of MMP-2 gene polymorphism in HPV infected cervical cancer.
12	Manish Singla				Effect of Glycyrrhiza glabra and Terminalia chebula on outer membrane proteins of Acinetobacter baumannii.
13	Neerupma Bhardwaj				An improved method to check the hepatoprotectant property of natural extracts using the liver slice culture model.
14	Nisha Chopra				Conversion of Alanine to Cysteine at 42 position and its effects on thermostability of Pectinase.
15	Pooja				Effect of F24C mutation on enzymatic properties of Pectinase gene product.
16	Pratibha				Cloning of cap binding Protein 20 gene from Brassica juncea.
17	Ramanjit Kaur				Cloning of Kaurene oxidase gene from Stevia rebaudiana Bertoni and its expression in microbial system.
18	Rishi pal				Cloning of Wall Associated Kinase 2 gene from Brassica juncea.
19	Shabda verma				Analysis of cyclin D1 gene polymorphism in HPV infected cervical cancer.

20	Shefali Chadha				Biogenic synthesis of selenium nanoparticles using tea leaf extracts” characterization and potential applications.
21	Shikha Bhatt				Lactonase mediated quorum quenching in Pseudomonas aeruginosa
22	Shivani Bhatia				Characterization of peroxidase from Cucurbita sp (Pumpkin) pulp.
YEAR - 2013					
1	Jashandeep Kaur				Cloning ,expression, characterization of the novel GDSL lipase,Rv0518 from Mycobacterium tuberculosis.
2	Gursimran Bedi				A study to confirm serine as active site member for lypolytic activity of Rv0518 gene product from Mycobacterium tuberculosis.
3	Bandana Kumari				Gene cloning and characterization of novel esterase Rv2037 from Mycobacterium tuberculosis.
4	Shelly Sardul Singh				Isolation characterization, production and application of lipase from a bacterial strain.
5	Manusha Kumari				Estimation of total phenolic, flavonoid content , antioxidant and antimicrobial activity of some beverages and spices used in India.
6	Parminder Singh Mavi				Cloning ,expression and determination of esterase activity of Rv 1886 of Mycobacterium tuberculosis.
7	Simranbir Kaur				Clodinafop propargyl degradation by Pseudomonas sp. Isolated from crop field soil.
8	Harmanjit Kaur				Microbial degradation of Clodinafop propargyl by Aeromonas sp.
9	Reena Sharma				Removal of nickel (II) ions from aqueous solutions using modified rice straw in a fixed bed column.
10	Shalika Sharma				Quorum sensing and hydrogen peroxide mediated oxidative stress in Acinetobacter baumannii.
11	Urvashi Naryal				Isolation, Identification and characterization of a xylanase producing microorganisms.

12	Monila Abbi				Purification and characterization of peroxidase from leaves and peels of Citrus limonum .
13	Amarpreet Kaur				Screening of medicinal plants and pure compounds for their Anti-Quorum activity against Pseudomonas aeruginosa PAO1.
14	Manvi Goel				Estimation of total phenolics flavonoids content, antioxidant levels and antimicrobial activity of selected fruits and vegetables.
15	Sourabh Soni				Reversal of promoter hypermethylation of Fancf gene by EGCG and menthol in siha cell line.
16	Monika Kajal				Purification and charaerization of peroxidase from fruit and leaves of neolamarckia cadamba (Kadam).
17	Simerjit Singh				Terminalia Chebula mediated quorum quenching and oxidative stress in P. aeruginosa.
18	Prashant Singh				Screening of expressed sequenced tags for identification of micro RNAs in chlorophytum borivilianum (Safed Musli).
19	Neetu Goyal				To study the role of uncoupling protein 1 in abiotic stress tolerance in plants.
20	Sukriti				Isolation and cloning of amylase gene from soil bacterium
YEAR - 2014					
1	Neha Mahajan				Effect of drying parameters on total phenolic and total flavonoid content, antioxidant antimicrobial activity of methanolic extract of some selected spices and herbs
2	Jaspreet Kaur				Removal of chromium (VI) ions from aqueous solution using modified water hycinth in fixed bed column
3	Neha Thakur				Estimation of total phenolic content total flavonoid content, free radical scavenging activity of selected fruit juices,pulps and peels
4	Nikita Sheron				Screening and pilot scale production of enzyme lipase in a bioreactor from staphylococcus species

5	Susheel Sagar Bhatt				Characterization of Cu/Zn superoxide dismutase gene from Brassica juncea
6	Vishakha Mahajan				Screening of transcriptome data for the identification of argonaute protein sequence in chlorophytum borivillianum
7	Ishan Sharma				Effective utilization of rice to solve the problems of its burning in the fields (a common harvest practice)
8	Neha Saini				Virtualscreening of ligand library for target protein sclerostin a key negative regulator of WNT pathway using autodockvina
9	Jyoti Verma				Engineering of a thermostable enzyme by directed evolution and its biochemical characterization
10	Riya Sarkar				To Study the effect of heat treatment on antioxidant and antimicrobial activities of milk samples
11	Shivani Suman				Reverting tolerance of acinetobacter baumannii persister cells to rifampicin by ellagic acid derivatives
12	Sheetal Sharma				Effect of serum starvation on cervical cancer cells
13	Nishtha Sharma				Anticancerous effect of delonix regia crude leaf extracts on cervical cancer cells in vitro and their effect on the apoptotic genes
14	Deepti Sharma				Characterization of manganese superoxide dismutase gene from brassica juncea
15	Hardeep Kaur				Effect of hypoxia on cervical cancer cells
16	Rattanndeep Kaur Rattan				Finding drug-like molecules against sclerostininhibitor of WNT pathway, using computer-aided drug designing software-[fred
17	Shilpa Ambardar				Understanding the pretext behind loss of activity of lipase using directed evolution as a tool: the structure – function relationship
18	Sona Kapoor				Persister cells formation in acinetobacter baumannii in response to amikacin stress: possible role of quorum sensing
YEAR- 2015					

1	Amandeep Saini				In vitro evaluation and comparison of total phenolic content, total flavonoid content, total antioxidant capacity, free radical scavenging activity of wheatgrass from three wheat species
2	Shimayali Kaushal				Evaluation of anti-proliferative and apoptosis inducing potential of methanolic extract of pithecellobium dulce on cervical cancer cell line
3	Gurkirat Kaur				Gene cloning and expression of rv1288 from Mycobacterium tuberculosis
4	Sakshi Rauthan				Cloning and expression of rv0519c from M. tuberculosis
5	Poonam				Cloning of genes involved in RNA silencing machinery in Chlorophytum borivillanum
6	Sakshi Mittal				Response of acinetobacter nosocomialis persister cell to various stress factors
7	Arunima Sharma				Resuscitation of acinetobacter nosocomialis M2 persister cells against amikacin by metabolites
8	Jasmine Bhangoo				Comparison of total phenolic content, total flavonoid content, total antioxidant capacity, free radical scavenging activity of some selected fruits
9	Anchal Chaudhary				Vector construction and transformation of brassica juncea for overexpression of MnSOD
10	Harleen Kaur				Comparison of total phenolic content, total flavonoid content, total antioxidant capacity, free radical scavenging activity of some selected medicinal plants
11	Vivek Pathania				Role of CD49f maintenance of cervical cancer stem cells
12	Nittu Singh				Elucidating the role of repair genes in persistence to antibiotic stress in acinetobacter baumannii
13	Deepika Verma				Removal of amoxicillin from aqueous solutions using modified rice straw in a fixed bed column
14	Suhir Ranjan Singh				Cloning and sequencing of germacrene synthase gene from saussurea lappa(Kuth)

15	Vasundhra Thakur				Removal of water pollution (Methylene blue, PO42- and Ni (II) ions) from aqueous solutions using modified rice straw in a fixed bed column
16	Aakriti Dhamenia				Evaluation of the potential of the lipase from Staphylococcus sp. MSI in detergent formulation and enantioselective synthesis
17	Ajay Chhaya				In silico study , molecular cloning and expression of rv0775 from mycobacterium tuberculosis
18	Naina Grewal				Determining the apoptotic signature of the cervical cells, after treatment with Delonix regia methanolic leaf extracts
19	Garima Bhatia				Adsorption of phosphours and methylene blue from aqueous solution using modified rice straw in a fixed bed column
20	Nimrat Kaur				To identify upstream regulators of SOX2 and ITAG6 responsible for cancer stemMaintenance in CaSki cell line
21	Ashok Kumar Yadav				Isolation of cellulose and mannanase producing alkalophiles from the environment
YEAR - 2016					
1	Vanya Vaidya				Identification of structural and regulatory genes involved in the vitamin c biosynthetic pathway in phyllanthusemblica
2	Tushar dhand				Identification and analysis of micro satellite markers associated with powdery and downy mildew resistance in vitis vinifera
3	Habibollah mohammad parat tabas				identification of flavonoid biosynthetic pathway genes from medicinally important plant saussurea lappa
4	Jaspreet singh				Survey of municipal wastewater treatment plant in mohali : examination of wastewater for quality and heavy metal estimation
5	Sunpreet Kaur				Antimicrobial efficacy and phytochemical screening of methanolic leaf extract of putranjiva roxburghii

6	Nitin Kumar				Effect of different classes of antibiotics on persister cell population of <i>A. baumannii</i> and <i>P. aeruginosa</i>
7	Swati Sharma				Evaluation of antimicrobial potential and phytochemical analysis of leaf extracts of <i>Jacaranda mimosaeifolia</i>
8	Ajay Gupta				To understand the cancerous effects of progestin found in oral contraceptive on CaSki cells
9	Bavneet Kaur				Role of plasmid encoded Toxin antitoxin RelEB in persistence to antibiotics in <i>A. baumannii</i>
10	Deeksha Kumari				Eco friendly production of biodiesel by using cheap and easily available raw material
11	Sapna Bajeli				Production of persister cells in <i>Acinetobacter baumannii</i> in response to different signals
12	Shikha Kumari				Effect of P13K inhibition on CSC phenotype in Caski cell line
13	Richa Raj				To study the effect of egfr inhibition on the cancer stem cell phenotype in CaSki cells
14	Namrata Singh				Cloning expression and refolding of Rv 1834 of <i>M. tuberculosis</i> : effect of solubilisation condition on recovery of active recombinant protein
15	Aditi Mahajan				Cloning expression and refolding of Rv3084 of <i>M. tuberculosis</i> effect of solubilization conditions on recovery of active recombinant protein
16	Pooja				Estimation of antioxidants and antimicrobial activity of <i>Tinospora cordifolia</i> and <i>vallisneria spiralis</i>
17	Harsimran Kaur				Comparison of citrus reticulate fruit juice and waste on the basis of antioxidant assays and antimicrobial assay
18	Justin Jacob	jjcruci67@gmail.com	Chandigarh	PGIMER Chandigarh	Assessment of the antimicrobial activity of methanolic leaf extract of <i>Pithecellobium dulce</i> and analysis of its phytoconstituents Using HPLC and GC-MS
19	Stuti Kaushik	stutikaushik91@gmail.com	#704, sector 5 , kurukshetra (Haryana)	Lecturer in Aakash Education services private limited	Production of biodiesel from industrial affluent waste oil

20	Vinny verma	vinnyv2017@yahoo.com	Sheffield, UK	PhD student ,University of Sheffield	Antioxidant quantification of seeds and sprouts of cicer arietinum and vigna radiata
YEAR- 2017					
1	Jaspreet Kaur	jaspreetk051@gmail.com	Lachine Quebec Canada	ECE Educator ,Garderie universe Quebec	Defining the role of Hepatocyte growth factor in breast cancer
2	Neha	mahajan23neha@gmail.com	Shivalik Hostel, NABI	DBT-SRF, National Agri-food Biotechnology Institute, Mohali	Synthesis of allicin and its functional characterization in HepG2 cells
3	Rajneesh	dhariwalrajneesh11@gmail.com	#21, Village Joaharanpur; P/O Barotiwala; Tehsil Baddi; District Solan; Himachal Pradesh	Executive Microbiologist, Alliance Formulations, Jharmajri	Molecular cloning, experssion and partial characterization Rv0421c protein of mycobacterium tuberculosis
4	Shaweta	shaweta6791@gmail.com	House No. 29, Second Floor, GBP Crest Society, Kharar (Pb.)	PhD Scholar,PGIMER, Chandigarh	In-vitro modulation of IL-6 mediated JAK2/STAT3 pathway by liposomal gdp to ameliorate anemia of inflammation
5	Tanya Sharma	tshar062@uottawa.ca	265 Guigues Avenue, Ottawa, Ontario, Canada, K1N5J5	Ph.D. Candidate, Department of Chemistry and Biomolecular Sciences, University of Ottawa	Identification and partial characterization of yellow stripe like gene-TaYS1b in triticum aestivum
6	Sjivani Sharma				Cloning, characterization and comparative analysis of manganese superoxide dismutase gene from Brassica rapa and B.napus
7	Saahil chandel				Does Mycobacterium tuberculosis Rv1592c Ameliorate isoniazid toxicity? A molecular dynamics study
8	Shivani Sharma				Cloning and characterization of phytoene synthase1 (tapsy1) from wheat in Arabidopsis thaliana
9	Debsmita Chakraborty				In silico analysis, purification ,characterization of plant lectins
10	Aradhana				Anti-cancer properties of salicylic acid in CaSKi cells
12	Ritul Sharma				Characterization of Chloroplast genes in bread wheat(Triticum aestivum L.)
13	Ravi Deepika				Comparison of antioxidant and antimicrobial activity of Ephedra foliate, Eleaocarpus sphaericus and pelargonium zonale
14	Khyati Wadhawan				Non starch polysaccharides from millets: isolation composition and biological activity

15	Karuna Jain				An insight into adipogenesis: Use of bZIP transcription factor inhibitor to study preadipocyte differentiation
16	Jagkiranpreet Kaur				Role of miRNAs in maintenance of cancer stem cells in CaSki cell line
17	Nidhi				Genome wide background screening of advanced color wheat lines by using SSR markers
YEAR- 2018					
1	Akhil Shukla	akkishukla8296@gmail.com	Canada	PhD Scholar,Universite de Sherbrooke, Canada	
2	Alisha Doda	alishadoda0@gmail.com		Junior Research Fellow, PGIMER,Chandigarh	
3	Amrit Saini	imamritsaini@gmail.com	#758/5c Dera Sahib Manimajra CHD 160101	Junior Research Fellow , PGIMER,Chandigarh	
4	Duhita Dey	20harlequindey@gmail.com		Patent research analyst,Signicent LLP solutions	
5	Gaganpreet Kaur	gaganpreet2295@gmail.com	IISER Mohali Campus Sector 81	Ph.D Scholar,IISER Mohali	
6	Harleen Kaur	harleen30brar@gmail.com	292, st no 7, Abohar road, sri muksar sahib	Ielts trainer,Dr Khokhar's ielts	
7	Duhita day				Isolation and characterization of extracellular vesicles from plants
8	Harleen Kaur				Probiotic characterization of microbes and their screening for production of a-glucosidase enzyme with transglycosylation activity
9	Gaganpreet Kaur				Extraction and characterization of potential, prebiotic oligosaccharides
10	Akhil Shukla				Cloning and characterization of copper Zinc superoxide dismutase gene from Brassica juncea
11	Tarun Gill				Role of 5-Azacytidinr in regulating cervical cancer stem cells
12	Paramvir Singh Dhillon				Comparitive studies on the antioxidant properties of methanolic leafy extracts of Mrntha arvensis, coriandrum sativum and trigonella foenum graecum
13	Alisha Doda				Modification of starch biosynthesis in Arabidopsis thaliana (Col-0) by overexpression of wheat (TabZIP) for enhancement of starch

14	Simran Bhatia				Steps towards sequencing of rust resistance gene (Yr 26) and its transfer to line with lower immunogenicity epitopes of celiac disease
15	Ravinderjit Kaur				Characterization of kinase activity for wheat inositol pyrophosphate kinases
16	Mamta Goyal				In Silico analysis and expression studies of selected microbial and plant lectins
17	Amrit Saini				Mutation in mycobacterium tuberculosis rv3854c leading to ethionamide resistance; a mechanistic insight study
18	Amritpreet kaur				Effects of Quercetin on epigenetic modulation following estrogen deprivation in Neuroblastoma N2A Cell lines
19	Maninder Kaur				Synthesis characterization and toxicity profiling of grapheme Oxide metformin hydrogel : a new material for biological applications
20	Alisha				B-carotene hydroxylases from banana cv. Grand Naine: cloning, characterization , expression profiling and sequencing
21	Moyna Kalia				Isolation and probiotic characterization of lactic acid bacteria from infant faces
22	Natasha Sharma				Anti-cancer properties of naringin in hela cells
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8	Sonali Sharma	sonalisharmauna@gmail.com	Sadhana pg near ctl kandaghat, 173215,solan	Sr. Analyst,Composite testing laboratory, solan	
9	Aman Singh				Genome wide identification of heat and drought responsive long non-coding RNAs in Brassica juncea
10	Arushi Menrai				Identification of wheat VIH2 interacting proteins by using yeast two hybrid system
11	Bharti Aggarwal				Genome-wide identification, characterization and extensive expression of aquaporins in pomegranate (punica granatum L.)and heterologous expression assay in the green alga chlamydomonas reinhardtii
12	Deepanjali				To design a dominant negative peptide that specifically inhibits the DNA binding of AtbZIP53, transcription factor involved in seed development
13	Deepika				Comparative study on antioxidant and antimicrobial properties of methanolic extracts of tea and green tea infusions
14	Gagandeep Kaur				Cloning and characterization of rice PR-TRS-1 gene in Arabidopsis thaliana against various environmental stresses
15	Kajal				Purification, characterization of a Hemagglutinin and bioinformatics analysis of reported lectin from Curcuma species
16	Navpreet Kaur				Molecular analysis of tomato bZIP60 in endoplasmic reticulum stress response
17	Parul Sharma				Molecular cloning and characterization of Granule-bound starch synthase I in bread wheat
18	Renuka Soni				Antimicrobial activity of synthetic antimicrobial peptides against acinetobacter baumannii
19	Sandeep Kumar				Garlic exosomes: isolation ,characterization and preliminary anti-cancer study

20	Ruhi Banga				Metabolic engineering of E. coli using vitreoscilla hemoglobin for the production of recombinant streptokinase
21	Rimpy Arun				Construction of CRISPR/Cas9 vector to knock out glucuronokinase gene in bread wheat (Triticum aestivum)
22	Shafali Satija				Directed evolution for improvement of biochemical properties of given lipase
23	Subhpreet Kaur				Differential expression profiling of different protein fractions in response to terminal heat stress in wheat
24	Sonali Sharma				Heterologous expression and purification of rice OSMADS29, a protein involved in rice embryo and seeds development
YEAR- 2020					
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11	Tushpinder Kaur /virk	tushpindervirk167@gmail.com	Canada	Student, Fleming college Peterborough Ontario	Agrobacterium-mediated genetic transformation of rice with the gene encoding DOF transcription factor
YEAR-2021					
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5	Ankush Kumar				Assesment of wheat yellow stripe-like- transporter(TaYS1A) using yeast mofel system
6	Apoorav Bhardwaj				Biochemical characterization of inositol hexakisphosphatase
7	Archana Shrama				DNA induced structure andstability of TabZIPI transcription factor in Triticum aestivum
8	Eshita Jain				Cloning and functional characterization of a putative effector from a dispensable chromosome of the necrotrophic phytopathogen – Alternaria Brassicae
9	Gautam Pandey				Cloning of NBS-LRR gene from Vitis Vinifera
10	Gitanjali Pandita				Comparison of iron bioavailability of different iron formulations; Characterization of
11	Gurleen Kaur				Hemerythrin like metal binding protein in Acnetobacter baumannii
12	Harwinder Kaur				Cloning , expression and purification of LIP- A gene
13	Kanupriya Gandhi				Purification and characterization of selected lectins
14	Komal Kaul				Identification of wheat glycine rich RNA- binding proteins and their regulations during stress conditions
15	Mahima Arora				Development of enzyme based Nanoprobe for the assessment of polyphenolic content in fruit juice
16	Manik Bathla				Molecular cloning and characterization of starch binding protein in bread wheat
17	Manmehar kaur				Addressing rancidity of rice bran oil using CRISPR/Cas mediated strategy
18	Navdeep Kumar				Identification of Mucocyst associated P- TypeATPase gene in tetrahymena thermophila
19	Neetu				Desining of RNA aptamer for TIRI protein and IAA7 degron peptide of Arabidiopsis thaliana: an in-silico study

20	Nidhi Kaushal				Analysis of TaGleAK overexpressing Arabidopsis thaliana lines
21	Pallavi				GENome-wide identification and expression analysis of bHLH transcription factors under iron deficiency in banana
22	Pooja Aggarwal				Cloning and characterization of rice hybrid proline rich protein for its putative role in systematic acquired resisitance
23	Prerana				Estimation of phenolics anthocyanin and antioxidant assay of colored wheat
24	Raveena Kumari				Cloning and characterization of a new variant of staphylokinase
25	Richika Arora				Studying the thermal stability of bread wheat bZIP transcription factors as a function of heptad length
26	Riya Rani				Expression profiling of SnRK2 gene family and their physiological and biochemical effect unmdr drought stress in triticum aestivum
27	Shivam Singh Dogra				Performing in vitro digestion of advanced wheat lines chapatti to analyze the CD eliciting peptides
28	Sukhmandeep Kaur				Understanding the role of selenium under abiotic stress condition in tomato(Solanum lycopersicum
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13	Aayushee Khanna				Studies on the effects of carbon nanodots on salinity stress response in rice (Oryza sativa)
14	Anita Katwal				Genome wide identification of biotic and abiotic stress responsive BTB domain containing gene family in Solanum tuberosum

15	Anjali Bhat				Cloning expression & characterization of rv3097 gene from mycobacterium tuberculosis in E.coli
16	Dimpy				To analysis the impact of iron deficiency and supplementation of iron on gut microbial population
17	Divyanshu Bansal				A Research project on detection and antibacterial activity of aptamer conjugated gold nanocluster for salmonella typhimurium
18	Gifty Mammen				Interactome studies of wheat transcription factor TaLRO3 for their role in iron homeostasis
19	Hemant Singh				Microbiome mining to discover novel patterns
20	Hrishika Raj				phytoalexin production
21	Komal				protease from microbial isolate AK-09
22	Magnolia				Dynamic methylation pattern during preadipocyte differentiation in b
23	Manika				Development and characterization of NAC based transcription factor SSR markers in wheat
24	Manjeet Singh				Metabolism of non-digestible carbohydrates by gut commensal bacterial strains
25	Manpriya Bedi				Isolation, purification, characterization and bioinformatics analysis of lectin from Carica papaya seeds
26	Nikita Sood				Preparation of nanocellulose-arabinoxylan composite material and investigation of its antimicrobial and cytotoxic efficacy
27	Nimisha Raina				In-Vitro-Bio-functionality of millet polyphenols on human intestinal epithelial cells
28	Pulkit Sharma				Identification of micro-RNAs targeting starch biosynthesis pathway genes in triticum aestivum L
29	Sonia Bhatia				Hepatoprotective effects of anthocyanin rich biofortified colored wheat against HFD-STZ induced type 2 diabetic rodent model
30	Rupinder Kaur				Evaluation of indole derivatives as carbapenem adjuvants against acinetobacter baumannii
31	Sakshi				Yeast two-hybrid preparation from banana root tissue

32	Shivangi Taneja				Designing of Cas9 expression vector targeting acetolactate synthase (ALS) gene from Arabidopsis thaliana
33	Simran				Assesment of anti-oxidant potential of anthocyanin rich bio-fortified colored wheat on type 2 diabetic rodent model

Department of Biotechnology	NAME OF PHD STUDENTS	MAIL ID	E- DESSERTATION TOPIC
YEAR 2005			
S.No.			
1	Neetu		Production purification & characterization of enterobacter sp. Chitinase & its application in production of N-Acetyl D-Glucosamine from chitin.
2	Vijayender Kumar Bhalla		DNA based biomolecular electronics.
3	Dinesh Chandra Verma		Studies on molecular alterations of rabbit intestinal epithelial cells mediated by STN enterotoxin of salmonella typhimurium ATCC 13311. (2 Copies)
4	Potshangbam Nongdom Puren Meetei		Genetic variability in a few species of cymbidium.
5	Sandeep Kumar		Development of biomems based microdiagnostic kit.

6	Shahin Shafiani	Molecular cloning, expression, purification and characterization of aspartate semialdehyde dehydrogenase (ASD) of mycobacterium tuberculosis H37Rv
YEAR 2006		
1	Ellis Anand nee Ellis Bagga	Study & characterization of actin myosin motor proteins for nanodevice applications.
2	Suparna.S. Pachouri	Host genotype susceptibility for lung cancer (a case control study on north Indian Population.).
3	Pushpinder Kaur	Single nucleotide polymorphism & risk of lung cancer.
4	Amit Joshi	Identification of molecular alteration as risk factor(s) for cancers of upper aero digestive tract(UAT).(issued to Dr. R.C. Sobti on dt. 7.4.2010)
5	Monica Sodhi	Studies on genome diversity of Indian zebu (BOS INDICUS) cattle by simple sequence repeats(SSRS) & candidate gene markers.

6	Sunita Kumari		Study of immobilization of motor proteins for bionanotechnological applications. (2 Copies)
7	Manishi Mukesh		Studies on gene expression profile of mammary gland through characterization of tissue specific expressed sequencetags of buffalo (Bubalus Bubalis) Genome.
8	Shiv Kumar		Rapid detection & analysis of genetic polymorphism in mycobacterial strains isolated from clinical samples of northern region of India.
9	Madhur Kaushik		Single stranded conformational polymorphism analysis of 26SrRNA & its region of 5SrRNA among different species of terminalia
10	Ravish Rashpa		Single stranded conformational polymorphism analysis of 26SrRNA among different cultivars of apple (malus domestica).
YEAR 2007			

1	Ram Ajora	Study of selective DNA sequences for nanowire application.
2	Alka Choudhary	Rapid detection of water toxic pollutants by use of recombinant Lux + E.COLI. (2 Copies) (one copy issued to Dr. R. Tiwari on dt3.10.2009)
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5	Jasvinder Singh Bhatti	Isolation, Characterization & application of phosphate solubilizing micro-organisms (PSMs). (3 Copies)
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2	Savita Bains	Functional genomics studies of costunolide biosynthesis in saussurea lappa
3	Mandeep Kaur	Molecular and functional characterization of plant inositol pyrophosphate kinase
4	Shivani	Biofortification of Indian Banana for enhanced pro-vitamin A (PVA) content
5	Shumayla	Identification and molecular characterization of receptor like kinases (RLK) protein family in triticum aestivum
6	Aman Kumar	Utilization of wheat wild relatives for improvement of bread making quality of wheat (triticum aestivum)

7	Navneet Kaur	Characterization of rate-limiting genes of provitamin A biosynthesis pathway in Indian banana (<i>Musa spp.</i>)
8	Amanjot Kaur	Persistence of <i>Acinetobacter baumannii</i> against antibiotics
9	Manpreet Kaur Saini	Metabolomics approach to study factors affecting quality and postharvest stability of kinnow mandarin
10	Ritu Kapoor	Molecular cloning and characterization of <i>Magnaporthe oryzae</i> inducible promoter from rice
11	Koushik Shah	Identification of bread wheat seed specific bZIP transcription factors binding sites by genome wide in vitro binding analysis
12	Bandana Kumari	Functional characterization of Rv1900c and Rv2037c from <i>Mycobacterium tuberculosis</i>

13	Neetu Goyal	Identification and characterization of nucleotide binding site leucine rich repeats (NBS-LRR) Genes and simple sequence repeats (SSR) makers associated with fungal resistance in grapes (<i>vitis vinifera</i>)
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1	Hamed Hemanti Chahardeh	A Study of chemo-resistance of hepatocellular carcinoma cancer stem cells- the role of Micronas
2	Sonu Bhatia	Exploring the bacterial diversity of α galactosidase producing isolates from hot springs and to study the production purification and characterization of α galactosidase from the high yielding isolate
3	Ankita Mishra	Molecular and genetics basis of amylase/resistance starch variation in Bread wheat (<i>Triticum aestivum</i> L)

4	Saloni Sharma	Characterization of colored wheat with high anthocyanin content
5	Anupama Bhardwaj	To explore the endogenous bacterial and fungal diversity for efficient treatment of dairy waste water (Guide Dr. Jagtar Singh)
6	Flowerika	Characterization of carotenoid biosynthesis pathway genes from wheat (<i>Triticum aestivum</i> L)
7	Garima Bhatia	Genome-wide identification and functional analysis of long non-coding RNAs in <i>Vitis vinifera</i> (Grapevine)
8	Vasundhara Thakur	Identification and analysis of regulatory elements and associated transcription factors of costunolide biosynthetic pathway genes in <i>Saussurea lappa</i>

9	Nishtha Sharma	Direct delivery of designed protein inhibitors of BZIP transcription factors for studying preadipocyte differentiation in NIH 3T3-L1 cell Lines
10	Hamed Hemati Chahardeh	A Study on chemo-resistance of hepatocellular carcinoma cancer stem cells the role of microns
11	Shimayali Kaushal	Gold nanorod based nanobiosensor for sensitive detection, isolation and photoablation of food borne bacteria
12	Deepika Verma	Identification, characterization and comparative analysis of multigene family encoding major reactive oxygen species (ROS) scavenging enzymes in Brassica sp.
YEAR 2021		
1	Samriti	Isolation, purification and characterization of antimicrobial peptides from selected Indian Medicinal plants

2	Gazaldeep Kaur	Understanding the molecular basis of iron and phosphorus homeostasis in Wheat (Guide: Dr. Ajay Kumar Pandey)
3	Anil Kumar	Expression and functional characterization of Yellow Stripe like transporters in Hexaploid Wheat (Guide: Dr. Ajay K.Pandey)
4	Lalit Kumar Gautam	Role of polyphosphate kinase in virulence and stress responses of <i>Acinobacter Baumannii</i> (Dr. Neena Caplash)
5	Neha Thakur	Identification, cloning and functional characterization of Glocuronokinase gene from wheat (<i>Triticum aestivum</i> L.) (Dr. Siddhart Tiwari)
6	Nitesh Priyadarshi	Multivalent carbohydrate functionalized gold nanorod based nanobiosensor for detection and ablation of food borne bacteria

7	Ruchi Bansal	Identification and characterization of genes for hypersensitive response in rice-Magnaporthe Oryzee interaction
8	Afsana Parveen	Identification and molecular characterization of genes involved in Ubiquitin proteasome system in high amylose wheat (Guide: Dr. Joy K. Roy)(with CD-ROM) (2 copies)
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2	Harsimran Sidhu	Anti-Cancer properties of natural compounds downregulating UHRF1 in Caski cells
3	Meenu	Evaluation of propolis as scavengers of biofilm on indwelling devices
4	Payal Kapoor	Insights into anthocyanin biosynthesis pathway of biofortified colored wheat and assessment of its prebiotic potential using murine model

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9	Abhinashi Singh Sodhi	Production and applications of value added products from Agro-Indutrial waste using fungal isolate

10	Ruchika Bhatia	Targeting metabolic endotoxemia underlying diet-induced pre-metabolic syndrome (PMet S) using indigenous probiotics
11	Ritika Gupta	Development of multiplexed biosensor for food borne bacteria using aptamer fabricated graphene oxide/gold nanoparticles