### Current Ph. D. Students : Department of Biotechnology, Bioinformatics & Pharmacy, JUIT, Waknaghat

<table>
<thead>
<tr>
<th>Name</th>
<th>Roll Number</th>
<th>Guide Name</th>
<th>Ph.D. Title</th>
<th>Email Id</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arvind K Yadav</td>
<td>176502</td>
<td>Dr. Tiratha Raj Singh</td>
<td>Digital Genomic Foot printing to detect genome-wide Transcription Factor Binding Sites</td>
<td><a href="mailto:mbiarvind03@gmail.com">mbiarvind03@gmail.com</a></td>
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<tr>
<td>Suhani Bhagta</td>
<td>196552</td>
<td>Dr. Anil Kant</td>
<td>RNAi mediated spray-induced silencing of multiple genes of Venturia inaequalis for apple scab management</td>
<td><a href="mailto:sbhagta23@gmail.com">sbhagta23@gmail.com</a></td>
</tr>
<tr>
<td>Rohit Shukla</td>
<td>186501</td>
<td>Dr. Tiratha Raj Singh</td>
<td>Identification and inhibition mechanism analysis of novel multi-target inhibitors for Alzheimer’s disease using polypharmacology and Systems pharmacology approaches</td>
<td><a href="mailto:Shuklarohit815@gmail.com">Shuklarohit815@gmail.com</a></td>
</tr>
<tr>
<td>Pooja Thakur</td>
<td>186553</td>
<td>Dr. Sudhir Kumar Syal</td>
<td>Bioleaching of metals from CPCB by using chemolithoautotrophic bacteria</td>
<td><a href="mailto:thakurpooja2208@gmail.com">thakurpooja2208@gmail.com</a></td>
</tr>
<tr>
<td>Tanvi Sharma</td>
<td>186552</td>
<td>Dr. Ashok Kumar</td>
<td>Improved properties of bacterial lipase by direct evolution and immobilization and its application</td>
<td><a href="mailto:tanvisharma61.ts@gmail.com">tanvisharma61.ts@gmail.com</a></td>
</tr>
<tr>
<td>Sargeet Kour</td>
<td>186555</td>
<td>Dr. Harish Changotra</td>
<td>Role of autophagy related genes in hepatitis b virus infection susceptibility</td>
<td><a href="mailto:sargeetkour@gmail.com">sargeetkour@gmail.com</a></td>
</tr>
<tr>
<td>Name</td>
<td>Department</td>
<td>Roll Number</td>
<td>Guide Name</td>
<td>Ph.D. Title</td>
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<tr>
<td>Lalita Sharma</td>
<td>Biotechnology</td>
<td>186554</td>
<td>Dr. Gopal Singh Bisht</td>
<td>Design, synthesis, characterization and biological evaluations of Antimicrobial peptides</td>
</tr>
<tr>
<td>Rolika Gupta</td>
<td>Biotechnology</td>
<td>186551</td>
<td>Dr. Hemant Sood</td>
<td>Optimizing conditions for growth of trillium govanianum and production of its secondary metabolites</td>
</tr>
<tr>
<td>Monika Choudhary</td>
<td>Biotechnology</td>
<td>176556</td>
<td>Dr. Jitendraa Vashistt</td>
<td>Identification of biofilm associated drug-target of multidrug resistant <em>Acinetobacter baumannii</em></td>
</tr>
<tr>
<td>Swati Sharma</td>
<td>Biotechnology</td>
<td>176554</td>
<td>Dr. Vijay Kumar Garlapati</td>
<td>Microalgae based Bioremediation approaches for Medical and Pharmaceutical effluents</td>
</tr>
<tr>
<td>Ayushi Sharma</td>
<td>Biotechnology</td>
<td>176553</td>
<td>Dr. Rahul Shrivastava</td>
<td>Biofilm associated drug-target identification of <em>Mycobacterium fortuitum</em></td>
</tr>
<tr>
<td>Vikrant Abbot</td>
<td>Biotechnology</td>
<td>176552</td>
<td>Dr. Poonam Sharma</td>
<td>Physico-Chemical Study of Flavonoid-Surfactant Interacion: Utilization in Neomycin Topical Formulation</td>
</tr>
<tr>
<td>Neha kumari</td>
<td>Biotechnology</td>
<td>176551</td>
<td>Dr. Saurabh Bnnsal</td>
<td>Isolation, production of fungal phytase of Himachal origin and its application in Food.</td>
</tr>
<tr>
<td>Deepak Sharma</td>
<td>Biotechnology</td>
<td>166555</td>
<td>Dr. Abhishek Chaudhary</td>
<td>Development of smart nanomaterials for drug delivery and biosensors</td>
</tr>
<tr>
<td>Sonia</td>
<td>Biotechnology</td>
<td>166553</td>
<td>Dr. R. S. Chauhan</td>
<td>Optimization of gene silencing system for <em>Picrorhiza kurroa</em></td>
</tr>
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</table>
Ph.D. Thesis Submitted: Department of Biotechnology, Bioinformatics & Pharmacy

Poonam Katoch (Biotechnology)
Roll Number: 136553
Guide Name: Dr. Rahul Shrivastava
Ph.D. Title: Identification of macrophage invasion genes of atypical mycobacteria M. fortuitum as potential drug target
Email Id: poonamkatoch1989@gmail.com
Thesis Submitted

Deepika (Pharmacy, SRF-ICMR)
Roll Number: 136753
Guide Name: Dr. Gopal Singh Bisht
Ph.D. Title: Design, synthesis and antibacterial evaluation of poly-N-substituted glycines
Email Id: deepikabph@gmail.com
Thesis Submitted

Ph.D. Degrees Awarded: Department of Biotechnology,

Kritika Kaushal (Biotechnology)
Roll Number: 116557
Guide Name: Dr. Anil Kant
Ph.D. Title: Genome and Metabolomic based approaches to authenticate Swertia chirata from its adulterants and their comparative evolution against Hypoxia induced oxidative stress in rats
Email Id: kaushal.kritika@gmail.com
Ph.D. Awarded: 8/13/2020

Nupur Munjal (Bioinformatics)
Roll Number: 136501
Guide Name: Dr. Tiratha Raj Singh
Ph.D. Title: Development of QSPR models and docking techniques for the solubility and bioavailability prediction of Paclitaxel prodrugs
Email Id: nupurmunjal@gmail.com
Ph.D. Awarded: 8/19/2020
Research Assistant: Institute of Bioinformatics, International Tech Park, Whitefield, Bangalore

Arun Sharma (Pharmacy, SRF-DST inspire)
Roll Number: 136752
Guide Name: Dr. M. Udayabanu
Ph.D. Title: Development of targeted drug delivery systems for breast cancer theranostics
Email Id: mearrun2010@yahoo.in
Ph.D. Awarded: 2/10/2020
Assistant Professor: Bahra University, Solan, Himachal Pradesh

Lalit Sharma (Pharmacy)
Roll Number: 136751
Guide Name: Dr. M. Udayabanu
Ph.D. Title: Effect of Polyherbal preparation (POL-6) on alcohol deprivation effects following voluntary alcohol consumption in rats
Email Id: lalithluckysharma88@gmail.com
Assistant professor (Pharmacology): Shoolini university, Bhajol, Solan
Ph.D. Awarded: 6/2/2020
<table>
<thead>
<tr>
<th>Name</th>
<th>Roll Number</th>
<th>Guide Name</th>
<th>Ph.D. Title</th>
<th>Email Id</th>
<th>Ph.D. Awarded</th>
</tr>
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<tbody>
<tr>
<td>Smriti Mishra (Bioinformatics)</td>
<td>136505</td>
<td>Dr. C. Rout</td>
<td>Integration of data resources and development of knowledge-based systems for EHR in Interstitial Lung Diseases (ILD)</td>
<td><a href="mailto:smriti.mishra1906@gmail.com">smriti.mishra1906@gmail.com</a></td>
<td>11/29/2019</td>
</tr>
<tr>
<td>Kavita Sharma (Biotechnology)</td>
<td>146551</td>
<td>Dr. Gunjan Goyal</td>
<td>Characterization of indigenous lactic cultures for probiotic attributes</td>
<td><a href="mailto:kavu_sharma@ymail.com">kavu_sharma@ymail.com</a></td>
<td>12/17/2019</td>
</tr>
<tr>
<td>Vineet Mehta (Pharmacy, SRF-ICMR)</td>
<td>136755</td>
<td>Dr. M. Udayabanu</td>
<td>Investigation of the effect of Quercetin on neurological complications associated with Type-II Diabetes Mellitus</td>
<td><a href="mailto:vineet.mehta20@gmail.com">vineet.mehta20@gmail.com</a></td>
<td>5/15/2019</td>
</tr>
<tr>
<td>Arun Prashar (Pharmacy)</td>
<td>126751</td>
<td>Dr. M. Udayabanu</td>
<td>To investigate the effect of rutin on comorbid depression and diabetes</td>
<td><a href="mailto:arunnittparashar@gmail.com">arunnittparashar@gmail.com</a></td>
<td>7/10/2019</td>
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<tr>
<td>Ankush Bansal (Bioinformatics, SRF-DBT )</td>
<td>156501</td>
<td>Dr. R. S. Chauhan</td>
<td>Development of computational metabolic networks platform</td>
<td><a href="mailto:bansal.ankush13@gmail.com">bansal.ankush13@gmail.com</a></td>
<td>8/10/2019</td>
</tr>
<tr>
<td>Ritika Verma (Biotechnology)</td>
<td>136559</td>
<td>Dr. Sudhir K. Syal</td>
<td>Production and characterization of thermostable endoxylanase from <em>Geobacillus thermodenitrificans</em></td>
<td><a href="mailto:ritika.verma227@gmail.com">ritika.verma227@gmail.com</a></td>
<td>11/29/2019</td>
</tr>
<tr>
<td>Name</td>
<td>Roll Number</td>
<td>Guide Name</td>
<td>Ph.D. Title</td>
<td>Email Id</td>
<td>Ph.D. Awarded</td>
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<tr>
<td>Ambika Sharma</td>
<td>136557</td>
<td>Dr. Harish Changotra</td>
<td>Autophagy genes (atg16l1 and irgm) single nucleotide polymorphisms in the susceptibility of hepatitis b virus infection</td>
<td><a href="mailto:ambikamsa123@gmail.com">ambikamsa123@gmail.com</a></td>
<td>26/5/2018</td>
</tr>
<tr>
<td>Anil Kumar</td>
<td>136566</td>
<td>Dr. Sudhir Kumar Syal</td>
<td>Bioremediation of electronic waste (E-waste) for precious metals recovery</td>
<td><a href="mailto:anilsharma2710@gmail.com">anilsharma2710@gmail.com</a></td>
<td>9/11/2018</td>
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<tr>
<td>Avni Vij</td>
<td>136555</td>
<td>Dr. Harish Changotra</td>
<td>Role of single nucleotide polymorphisms of autophagy related gene ATG5 in Hepatitis B Virus infection susceptibility</td>
<td><a href="mailto:avnivij15@gmail.com">avnivij15@gmail.com</a></td>
<td>14/7/2018</td>
</tr>
<tr>
<td>Ira Vashisht</td>
<td>126551</td>
<td>Dr. R. S. Chauhan</td>
<td>Discerning regulatory control of picrosides biosynthesis in a medicinal herb, Picrorhiza kurroa Royle ex Benth.</td>
<td><a href="mailto:iravashisht@gmail.com">iravashisht@gmail.com</a></td>
<td>3/29/2018</td>
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<tr>
<td>Jibesh Kumar</td>
<td>116559</td>
<td>Dr. R. S. chauhan</td>
<td>Understanding biosynthesis of major chemical constituents in Swertia chirayita</td>
<td><a href="mailto:jkpadhan@gmail.com">jkpadhan@gmail.com</a></td>
<td>3/29/2018</td>
</tr>
<tr>
<td>Nutan Thakur</td>
<td>126552</td>
<td>Dr. Jitendraa Vashistt</td>
<td>Identification and characterization of causative bacterial agents of diarrhoea from regions of Himachal Pradesh.</td>
<td><a href="mailto:nutanthakur11@gmail.com">nutanthakur11@gmail.com</a></td>
<td>3/12/2019</td>
</tr>
</tbody>
</table>
Rohit Randhawa (Biotechnology, SRF-DBT)
Roll Number: 126566
Guide Name: Dr. Harish Changotra
Ph.D. Title: Damaging nsSNPs in ULK1 gene and susceptibility to HBV infection
Email Id: rohitkangra001@yahoo.com
Ph.D. Awarded: 14/7/2018
Pharmacovigilance scientist: Parexel International, Chandigarh

Shivam Sharma (Biotechnology)
Roll Number: 126558
Guide Name: Dr. Hemant Sood
Ph.D. Title: Analysis of diosgenin content and pharmacological exploration of endangered medicinal herb *Trillium govanianum* (Nag chhatri)
Email Id: shivam.phd@gmail.com
Ph.D. Awarded: 9/22/2018
Manager- Marketing and Communication, Pusa Krishi Incubator,

Tamanna (Bioinformatics)
Roll Number: 116502
Guide Name: Dr. Jayashree Ramanna
Ph.D. Title: Computational studies of virulent proteins and antibiotic resistance in diarrheal pathogens
Ph.D. Awarded: 10/14/2017
Email Id: tanu_tanu14@yahoo.com

Arun Chauhan (Bioinformatics)
Roll Number: 106505
Guide Name: Dr. C. Rout
Ph.D. Title: Development of computer aided diagnosis methods for efficient tuberculosis detection
Ph.D. Awarded: 1/30/2019
Email Id: arunmbi@gmail.com

Mohd. Imran Shah (Bioinformatics)
Roll Number: 136504
Guide Name: Dr. C. Rout
Ph.D. Title: Development of ziehl–neelsen stained sputum smear image resource, and identification of robust and hybrid focus measure functions for automated capturing of microscopic images
Email Id: Mo.imranshah@gmail.com
Ph.D. Awarded: 10/24/2018

Deepak Mishra (Bioinformatics)
Roll Number: 136756
Supervisors: Dr. C. Rout
Ph.D. Title: Design and Synthesis of Heterocyclic Molecules as Potential Anti-alzheimeric Agents
Email Id: deepak_23chem@yahoo.com
Ph.D. Awarded: 4/16/2018

Raj Kumar Tiwari (Pharmacy)
Roll Number: 136756
Supervisors: Dr. M. Udayabanu
Ph.D. Title: Anti-arthritic potential of standardized extract of Clerodendrum serratum (L.): A traditional medicinal plant
Email Id:
Ph.D. Awarded: 9/10/2018
Ph.D. Degrees Awarded : Department of Biotechnology, Bioinformatics & Pharmacy

Amit Sud (Biotechnology, SRF-DBT)
Roll Number: 106567
Guide Name: Dr. Hemant Sood
Ph.D. Title: Differential proteomic analysis for identifying proteins involved in the biosynthesis of picroside−I and picroside−II from Picrorhiza kurroa – An endangered medicinal herb
Email Id: sudamit@yahoo.com
Ph.D. Awarded: 1/29/2018

Neha Sharma (Biotechnology)
Roll Number: 126553
Guide Name: Dr. Hemant Sood
Ph.D. Title: Investigation of morphogentic differences and seaweed extract stimulated increase in biomass and picroside-I content in Picrorhiza species
Email Id: neha.sharma1812@gamil.com
Ph.D. Awarded: 11/30/2017

Niharika Singh (Biotechnology, SRF-DST)
Roll Number: 106563
Guide Name: Dr. Gunjan Goel
Ph.D. Title: Characterization of quorum sensing mediated biofilm formation and its inhibition in Cronobacter sakazakii strains
Email Id: nhubiotech@gmail.com
Ph.D. Awarded: 5/2/2017
National post-doctoral fellow (SERB, DST, Govt of India) at National post-doctoral fellow (SERB, DST, Govt of India)

Shivani Sood (Biotechnology, SRF-DST Inspire)
Roll Number: 106558
Guide Name: Dr. Rahul Shrivastava
Ph.D. Title: Establishment and Validation of M. fortuitum model for M. tuberculosis persistent infection
Email Id: shivanici@gmail.com
Ph.D. Awarded: 5/4/2017
Assistant Director(Immunology) : NCDC Delhi

Raman Thakur (Biotechnology)
Roll Number: 136558
Guide Name: Dr. Jata Shanker
Ph.D. Title: Dual proteome analysis of interactome during interaction of human lung epithelial cells with Aspergillus conidia and functional analysis of SNPs in innate immune receptors
Email Id: ramanthakurnegwal@gmail.com
Ph.D. Awarded: 1/28/2017
Post-Doctoral fellow : Institut Pasteur of Shanghai & Guangzhou Children and Women Medical Center

Shraddha Tiwari (Biotechnology)
Roll Number: 136560
Guide Name: Dr. Jata Shanker
Ph.D. Title: Evaluation of proteins involved in germination of Aspergillus flavus conidia and studies on phytochemicals for antifungal properties
Email Id: shraddhatiwari3001@gmail.com
Ph.D. Awarded: 11/24/2018

Assistant Director(Immunology) : NCDC Delhi
<table>
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<tr>
<th>Name</th>
<th>Roll Number</th>
<th>Guide Name</th>
<th>Ph.D. Title</th>
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<tr>
<td>Tamanna Sharma (Biotechnology)</td>
<td>126501</td>
<td>Dr. R. S. Chauhan</td>
<td>Molecular dissection of lipid content variation in <em>Scendesmus</em> species</td>
<td><a href="mailto:tamannasharma228@yahoo.com">tamannasharma228@yahoo.com</a></td>
<td>6/25/2018</td>
</tr>
<tr>
<td>Tarun Pal (Bioinformatics, SRF-DBT)</td>
<td>116504</td>
<td>Dr. R. S. Chauhan</td>
<td>Development of computational resources for predicting disease resistance genes and mapping NGS-Transcripts to secondary metabolism in plants</td>
<td><a href="mailto:tarunpal33@gmail.com">tarunpal33@gmail.com</a></td>
<td>11/30/2017</td>
</tr>
<tr>
<td>Kusum Mehla (Bioinformatics, SRF-DST)</td>
<td>136503</td>
<td>Dr. Jayashree Ramnaa</td>
<td>Computational study of antibiotic resistance mechanisms in diarrheal pathogens and identification of potential drug targets and vaccine candidates</td>
<td><a href="mailto:mehla.kusum@gmail.com">mehla.kusum@gmail.com</a></td>
<td>6/5/2017</td>
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<tr>
<td>Deepika (Biotechnology)</td>
<td>106553</td>
<td>Dr. Gunjan Goel</td>
<td>Optimization of lignocellulytic enzymes coctail production from <em>Cotylidia pannosa</em> and its application in bioethanol production and dye decolourization</td>
<td><a href="mailto:deepikakoundal11@gmail.com">deepikakoundal11@gmail.com</a></td>
<td>5/13/2017</td>
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<tr>
<td>Arun Kumar (Pharmacy)</td>
<td>126752</td>
<td>Dr. M. Udayabanu</td>
<td>Design and development of nanoemulsions and hydrogel based systems for enhanced intestinal permeability and controlled release of phytochemicals</td>
<td><a href="mailto:arundhiman431@gmail.com">arundhiman431@gmail.com</a></td>
<td>2/27/2018</td>
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<tr>
<td>Varun Kumar (Biotechnology, SRF-DST)</td>
<td>126563</td>
<td>Dr. R. S. Chauhan</td>
<td>Modular Design of picrosides biosynthesis unravelled through intermediates flux dynamics vis-à-vis expression analysis of pathway genes in a medicinal herb, <em>Picrorhiza kurroa</em> Royle ex Benth</td>
<td><a href="mailto:varun26g@gmail.com">varun26g@gmail.com</a></td>
<td>5/20/2017</td>
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<tr>
<td>Pawan Kumar (Biotechnology, SRF-DBT )</td>
<td>126569</td>
<td>Dr. R. S. Chauhan</td>
<td>Deciphering biosynthetic machinery of <em>Podophyllotoxin</em>-Anticancer metabolite of <em>Podophyllum hexandrum</em> Royle</td>
<td><a href="mailto:pwn.verma2008@gmail.com">pwn.verma2008@gmail.com</a></td>
<td>12/16/2017</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Working as Assistant Prof. Maharishi Markandeshwar University, India</td>
<td></td>
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</tr>
</tbody>
</table>
Ashwani Kumar (Bioinformatics)
Roll Number: 136506
Guide Name: Dr. Tiratha Raj Singh
Ph.D. Title: Computational mining of genomic and proteomic data to gain insight for Alzheimer's disease
Email Id: ashwanibitian@gmail.com
Ph.D. Awarded: 3/27/2017
Research Associate: CSIR-IHBT, Palampur

Sanjay Singh (Biotechnology)
Roll Number: 136556
Guide Name: Dr. Harish Changotra
Ph.D. Title: Identification of deleterious nsSNPs in cell-cycle regulatory gene, E2F1 and their role in susceptibility to common cancer in Himachal Pradesh Population
Email Id: sanjaybiochem.singh@gmail.com
Ph.D. Awarded: 5/10/2019

Sita Sharan Patel (Pharmacy, DRDO-SRF)
Roll Number: 116753
Guide Name: Dr. M. Udayabanu
Ph.D. Title: Investigation of the effect of stinging nettle extract on neurological alterations during comorbidity of depression and type 2 diabetes
Email Id: sitasaran.ss@gmail.com
Ph.D. Awarded: 5/22/2017
Pharmacist, Directorate of Health Services: Bhopal, Madhya Pradesh

Sampan Attri (Biotechnology, SRF-DBT)
Roll Number: 146553
Guide Name: Dr. Gunjan Goel
Ph.D. Title: Effect of polyphenolic rich extract on gut microbiota under simulated in vitro model
Email Id: sampanattri@gmail.com
Ph.D. Awarded: 4/6/2019

Manali Gangwar (Biotechnology)
Roll Number: 126570
Guide Name: Dr. R. S. Chauhan
Ph.D. Title: Dissecting the molecular basis of female flowering in Jatropha curcas L.
Email Id: manaligwar@rediffmail.com
Ph.D. Awarded: 10/5/2018

Swapnil Jain (Biotechnology, SRF-ICMR)
Roll Number: 116555
Guide Name: Dr. Harish Changotra
Ph.D. Title: Molecular characterization of group A rotaviruses prevalent in Himachal Pradesh
Email Id: jain.swapnil19@gmail.com
Ph.D. Awarded: 3/27/2017
National Project Coordinator: Voluntary Health Association Of India

Ahmed Nawaz Khan (Pharmacy)
Roll Number: 106751
Guide Name: Dr. M. Udayabanu
Ph.D. Title: A study on quality, evaluation and rational use of medicine with regulatory perspectives
Email Id: ahmednawaz4u@gmail.com
Ph.D. Awarded: 11/19/2016,
Assistant Professor at JUIT, Waknaghat, India
<table>
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<tr>
<th>Name</th>
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<tr>
<td>Nikhil Malhotra</td>
<td>106565</td>
<td>Dr. R. S. Chauhan</td>
<td>Unraveling Molecular Biology of Aconites Biosynthesis in a High Value Medicinal Herb Aconitum heterophyllum Wall</td>
<td><a href="mailto:nikhil.malhotra86@gmail.com">nikhil.malhotra86@gmail.com</a></td>
<td>2/13/2017</td>
<td>Working at ICAR-NBPGR Regional Station, Shimla</td>
</tr>
<tr>
<td>Varun Bhardwaj</td>
<td>106755</td>
<td>Dr. Poonam Sharma</td>
<td>Physicochemical study of anti-oxidant surfactant interaction: utilization in clotrimazole topical formulation</td>
<td><a href="mailto:varunmilton@yahoo.com">varunmilton@yahoo.com</a></td>
<td>12/23/2014</td>
<td>Pharmacovigilance scientist at Quantum Solutions Chandigarh, India</td>
</tr>
<tr>
<td>Ankita Shukla</td>
<td>136502</td>
<td>Dr. Tiratha Raj Singh</td>
<td>Computational studies on DNA repair mechanisms associated diseases and disorders</td>
<td><a href="mailto:shukla.ankita39@gmail.com">shukla.ankita39@gmail.com</a></td>
<td>12/12/2018</td>
<td>Research Associate: CSIR-IHBT, Palampur Himachal Pradesh</td>
</tr>
<tr>
<td>Sandeep Lohan</td>
<td>116754</td>
<td>Dr. Gopal Singh Bisht</td>
<td>Design, synthesis, and antimicrobial evaluation of structurally diverse short peptide based molecules</td>
<td><a href="mailto:sandeep.lohan77@gmail.com">sandeep.lohan77@gmail.com</a></td>
<td>8/7/2015</td>
<td>Postdoctoral Research Associate: Harry and Diane Rinker Health Sciences</td>
</tr>
<tr>
<td>Saras Jyoti</td>
<td>106559</td>
<td>Dr. Simran Tandon</td>
<td>Investigating factors influencing in vitro differentiation during development using mouse embryonic stem cells as a biological system</td>
<td><a href="mailto:saras.jyoti@gmail.com">saras.jyoti@gmail.com</a></td>
<td>9/24/2015</td>
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<tr>
<td>Aseem Chawla</td>
<td>106555</td>
<td>Dr. Anil Kant</td>
<td>Molecular analysis for sex determination in dioecious seabukthorn using genomic approaches</td>
<td><a href="mailto:aseem_chawla@hotmail.com">aseem_chawla@hotmail.com</a></td>
<td>12/21/2015</td>
<td>Pharmacovigilance scientist at Quantum Solutions Chandigarh, India</td>
</tr>
<tr>
<td>Amisha Mittal</td>
<td>126564</td>
<td>Dr. Hemant Sood</td>
<td>Characterization of the antilithiatic proteins from Terminalia arjuna and evaluation of their cytoprotective roal on oxalate induced renal tubular epithelial cell injury</td>
<td><a href="mailto:amisha.a31@gmail.com">amisha.a31@gmail.com</a></td>
<td>8/26/2016</td>
<td></td>
</tr>
</tbody>
</table>
Ph.D. Degrees Awarded : Department of Biotechnology, Bioinformatics & Pharmacy

Varun Jaiswal (Bioinformatics)
Roll Number: 096501
Guide Name: Dr. C. Rout
Ph.D. Title: Development of immunoinformatics tools for vaccine design
Email Id: varun biotech82@gmail.com
Ph.D. Awarded: 5/12/2014
Asst. Professor: Gachon University.1342 Seongnamaeuro, Sujeong-gu, Seongnam-si, Gyeonggi-do, South Korea.

Priya Pradayani Panigrahi (Bioinformatics)
Roll Number: 106504
Guide Name: Dr. Tiratha Raj Singh
Ph.D. Title: Analysis of bio-molecules for system level understanding of Alzheimer's disease
Email Id: bio4priya@gmail.com
Ph.D. Awarded: 5/23/2015

Kirti Shitiz (Biotechnology)
Roll Number: 106560
Guide Name: Dr. R. S. Chauhan
Ph.D. Title: Biosynthetic machinery of iridoid glycosides-the major pharmacological components of a medicinal herb *Picrorhiza kurroaroyle* ex. Benth
Email Id: kshrohil123@gmail.com
Postdoc at DRDO jodhpur Rajasthan, India

Archit Sood (Biotechnology)
Roll Number: 106568
Guide Name: Dr. R. S. Chauhan
Ph.D. Title: Genomics of seed oil biosynthesis and disease response components in *Jatropha curcas* L.
Email Id: archit.hpkv@gmail.com
Ph.D. Awarded: 8/29/2016
National post-doctoral fellow (SERB, DST, Govt of India) at CSIR-Institute of Himalayan, Bioresource Technology, Palampur. India

Manika Sehgal (Bioinformatics)
Roll Number: 116501
Guide Name: Dr. Tiratha Raj Singh
Ph.D. Title: Identification and analysis of biomarkers for human diseases implicated in DNA repair system
Email id: manika sehgal22@yahoo.com
Ph.D. Awarded: 5/15/2015
SERB National Post-doctoral Fellow at IMTECH, Chandigarh, India
Seneha Santoshi (Bioinformatics)
Roll Number: 106501
Guide Name: Dr. P. K. Naik
Ph.D. Title: Computer aided design of novel noscapinods and their experimental evaluation as tubulin binding anti-cancer drugs
Email Id: seneha.santoshi@gmail.com
Ph.D. Awarded: 8/20/2014
Assistant Professor at Amity University, Noida, India

Mamta Chauhan (Biotechnology)
Roll Number: 106556
Guide Name: Dr. V. K. Garalapati
Ph.D. Title: Production, purification, characterization of bacterial lipase and its exploitation in detergent industry
Email Id: mamtac702@gmail.com
Ph.D. Awarded: 10/16/2014
SERB National Post-doctoral Fellow at CPRI, Shimla, India

Shagun Arora (Biotechnology)
Roll Number: 106554
Guide Name: Dr. Simran Tandon
Ph.D. Title: Exploration of cam (complementary and alternative medicine) therapies against colon cancer: An in vitro study using colo-205 cells
Email Id: shagun_arora@hotmail.com
Ph.D. Awarded: 11/28/2014
Pharmacovigilance Scientist at Quantum Solutions Chandigarh, India

Suthar Sharad Kumar (Pharmacy)
Roll Number: 106752
Guide Name: Dr. Manu Sharma
Ph.D. Title: Design, synthesis and evaluation of lantadene - NSAIDS hybrids as NFKB inhibitors.
Email Id: sharadpune_2009@yahoo.com
Ph.D. Awarded: 12/30/2014
Pharma Company, Budapest, Hungary

Shilpi Chanda (Pharmacy)
Roll Number: 106756
Guide Name: Dr. Kuldeep Singh
Ph.D. Title: Anti-ulcer potential of standardized extract of Paederia foetida (linn): A traditional medicinal plant used by the tribals of northeast India
Email Id: only_shilpi@yahoo.com
Ph.D. Awarded: 1/29/2015
Associate Professor, Noida, India

Charu Suri (Bioinformatics)
Roll Number: 116503
Guide Name: Dr. P. K. Naik
Ph.D. Title: Molecular insight into nucleation of microtubules to realize novel drug targets
Email Id: charu.juit@gmail.com
Ph.D. Awarded: 3/13/2015
Postdoc at Translational Health Science and Technology Institute, India
Mani Srivastava (Bioinformatics)
Roll Number: 071755
Guide Name: Dr. P. K. Naik
Ph.D. Title: Computational modeling of artemisinin and its structural derivatives-interaction activity and mechanism
Email Id: manisriva@gmail.com
Ph.D. Awarded: 2/17/2011
Assistant professor at Jaipur National University, India

Mamta Bhatia (Biotechnology)
Roll Number: 071764
Guide Name: Dr. S. K. Syal
Ph.D. Title: Bioconversion of lignocellulosic solid wastes of a herbal processing industry to commercially valuable products
Email Id: mamtabhatia8@gmail.com
Ph.D. Awarded: 8/18/2011
Working at Quantum, Chandigarh, India

Arti Sharma (Biotechnology)
Roll Number: 071756
Guide Name: Dr. R. S. Chauhan
Ph.D. Title: Development of genomics resources and their utilization in *Jatropha* through comparative genomics with castor bean
Email Id: arti.abtc@gmail.com
Ph.D. Awarded: 1/23/2012

Tamanna Anwar (Bioinformatics)
Roll Number: 061769
Guide Name: Dr. R. S. Chauhan
Ph.D. Title: Mining bacterial strains from a rock salt mine halotolerance gene and enzymes
Email Id: a.tamanna@yahoo.co.in
Ph.D. Awarded: 03/29/2012
Postdoc at JNU, India

Anshu Aggarwal (Biotechnology)
Roll Number: 086552
Guide Name: Dr. C. Tandon
Ph.D. Title: Antilithiatic effect of *Tribulus terrestris*: an in vitro and *in vivo* study
Email Id: anshuagg@gmail.com

Jatindra Kumar Pradhan (Biotechnology)
Roll Number: 086554
Guide Name: Dr. S. K. Syal
Ph.D. Title: Environmental impact assessment and bioleaching of metals from electronic waste (e-waste)
Email Id: jkpenvbt@hotmail.com
Ph.D. Awarded: 2/16/2013
Assistant Professor, Orissa, India

Nidhi Gupta (Biotechnology)
Roll Number: 086554
Guide Name: Dr. R. S. Chauhan
Ph.D. Title: Molecular dissection of flavonoid biosynthesis machinery in a nutraceutical food crop (*Fagopyrum* spp.)
Email Id: gupta.nidhi08@gmail.com
Ph.D. Awarded: 3/20/2013
<table>
<thead>
<tr>
<th>Name</th>
<th>Roll Number</th>
<th>Guide Name</th>
<th>Ph.D. Title</th>
<th>Email Id</th>
<th>Ph.D. Awarded</th>
<th>Work Location</th>
</tr>
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<tbody>
<tr>
<td>Bharti Negi (Biotechnology)</td>
<td>086551</td>
<td>Dr. Gargi Dey</td>
<td>Development and functional characterization of beverages from seabuckthorn</td>
<td><a href="mailto:negibharti@gmail.com">negibharti@gmail.com</a></td>
<td>9/28/2013</td>
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<td></td>
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<td><em>Hippophae rhamnoides</em> L. berries</td>
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<tr>
<td>Sree Krishna Chanumolu</td>
<td>071753</td>
<td>Dr. R. S. Chauhan</td>
<td>Computational analysis of bacterial genomes towards drug target discovery</td>
<td><a href="mailto:instantcofsrc@gmail.com">instantcofsrc@gmail.com</a></td>
<td>3/12/2013</td>
<td>University of Nebraska, USA.</td>
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<tr>
<td></td>
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<td>and deciphering the role of SSRs in pathogen evolution</td>
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<tr>
<td>Jitender Kumar Monga (Pharmacy)</td>
<td>096751</td>
<td>Dr. Manu Sharma</td>
<td>Antiproliferative and chemopreventive potential of <em>Acacia catechu</em> wild</td>
<td><a href="mailto:0015931@zju.edu.cn">0015931@zju.edu.cn</a></td>
<td>11/28/2013</td>
<td>Institute of Medical Sciences, China</td>
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<td></td>
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<td>against multiorgan carcinoma</td>
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<tr>
<td>Saurabh Pandit (Biotechnology)</td>
<td>096552</td>
<td>Dr. R. S. Chauhan</td>
<td>Biology of picroside – I &amp; picroside - II biosynthesis in a medicinal herb</td>
<td><a href="mailto:saurabh0610@yahoo.co.in">saurabh0610@yahoo.co.in</a></td>
<td>1/29/2014</td>
<td>Zhejiang University, Hangzhou, China</td>
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<td><em>Picrorhiza kurroa</em> royle ex benth</td>
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<tr>
<td>Kanu Priya Aggarwal (Biotechnology)</td>
<td>106551</td>
<td>Dr. C. Tandon</td>
<td>Exploring the role of matrix proteins from human calcium oxalate stones in</td>
<td><a href="mailto:Kanu.agg.09@gmail.com">Kanu.agg.09@gmail.com</a></td>
<td>3/6/2014</td>
<td>Indian School of Business, Chandigarh, India</td>
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<td>nephrolithiasis</td>
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<tr>
<td>Dipankar Sengupta (Bioinformatics)</td>
<td>106506</td>
<td>Dr. P. K. Naik</td>
<td>Translational and high end computing of clinical data in India</td>
<td><a href="mailto:dipankarsengupta.982@gmail.com">dipankarsengupta.982@gmail.com</a></td>
<td>3/28/2014</td>
<td>Vrije Universiteit, Brussel, Belgium</td>
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<tr>
<td>Navin Kumar Tailor (Pharmacy)</td>
<td>096752</td>
<td>Dr. Manu Sharma</td>
<td>Synthesis and evaluation of c-2 Arylidene/Aryl congeners of lantadenes as</td>
<td></td>
<td>5/3/2014</td>
<td>Quantum, Chandigarh, India.</td>
</tr>
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<td>anticancer agents</td>
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</tr>
</tbody>
</table>
Rakesh Kumar Bijarnia (Biotechnology)
Roll Number: 051762
Guide Name: Dr. C. Tandon
Ph.D. Title: Purification and characterization of a novel antilithiatic protein from the seed of *Dolichos biflorus* and its validation in rat urolithiatic model
Email Id: rkchaudhary81@reiffmail.com
Ph.D. Awarded: 11/18/2008
Presently working in PU, Chandigarh, India

Tanzeer Kaur (Biotechnology)
Roll Number: 051761
Guide Name: Dr. C. Tandon
Ph.D. Title: *In vitro and in vivo* studies on antilithiatic properties of *Trachyspermum ammi* (l)
Email Id: tanzeercaur@gmail.com
Ph.D. Awarded: 1/30/2009
Assistant professor, Department of Biophysics, PU, Chandigarh, India

Md. Afroz Alam (Bioinformatics)
Roll Number: 051756
Guide Name: Dr. P. K. Naik
Ph.D. Title: Study of genetic variation in podophyllotoxin analogues
Email Id: maarkzin@gmail.com
Assistant professor & Head, Department of Bioinformatics, Karunya University, India

Hemant Sood (Biotechnology)
Roll Number: 061756
Guide Name: Dr. R. S. Chauhan
Ph.D. Title: Development of a cell culture technology for rapid multiplication and production of a medicinal compound *picroside-1* in an endangered herb, *Picrorhiza kurroa*
Email Id: hemant6sood@gmail.com
Ph.D. Awarded: 8/25/2009
Assistant professor (Senior grade), JUIT, Waknaghat, Solan, India

Priyadarshni (Biotechnology)
Roll Number: 041753
Guide Name: Dr. C. Tandon
Ph.D. Title: Identification and characterization of a calcium oxalate crystal growth protein inhibitor from human renal stone matrix
Email Id: priya.juit@gmail.com
Ph.D. Awarded: 7/19/2010
Assistant professor (Senior Grade) in JIIT, Noida, India

Anu Chaudhary (Biotechnology)
Roll Number: 071752
Guide Name: Dr. C. Tandon
Ph.D. Title: Studies on antilithiatic properties of *Tamarindus indica* and *Terminalia arjuna*
Email Id: anuchaudhary15@gmail.com
Ph.D. Awarded: 11/30/2010
Mac Cosmetics in Toronto, Canada
# Ph.D. Students in Collaboration with DRDO

<table>
<thead>
<tr>
<th>Name</th>
<th>Roll Number</th>
<th>Guide Name</th>
<th>Ph.D. Title</th>
<th>Ph.D. Awarded</th>
<th>Email Id</th>
</tr>
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<tbody>
<tr>
<td>Jitender Kumar Shakya (Biotechnology, SRF-DRDO)</td>
<td>086559</td>
<td>Dr. P. K. Naik</td>
<td>Assessment of genetic diversity and artemisinin content among genotypes of <em>Artemisia annua</em> and related species from the Ladakh region India</td>
<td>3/22/2012</td>
<td></td>
</tr>
<tr>
<td>Bhoyar Manish Sheshrao (Biotechnology, SRF-DRDO)</td>
<td>086556</td>
<td>Dr. P. K. Naik</td>
<td>Molecular and phytochemical characterization and optimization of dormancy breaking treatments in Capparis spinosa L. from trans Himalayan region of Ladakh India</td>
<td>4/7/2012</td>
<td></td>
</tr>
<tr>
<td>Guru Charan (Biotechnology, SRF-DRDO)</td>
<td>086558</td>
<td>Dr. Sudhir Sayal</td>
<td>Studies on certain essential minerals and heavy metals presence in soil, plant, water, and animals at high altitude cold arid environment</td>
<td>10/7/2013</td>
<td><a href="mailto:gurucharangaur@gmail.com">gurucharangaur@gmail.com</a></td>
</tr>
<tr>
<td>Korekar Girish Jageshwar (Biotechnology, SRF-DRDO)</td>
<td>086555</td>
<td>Dr. Harvinder Singh</td>
<td>Genetic diversity of seabuckthorn (Hippophae rhamnoides L.) In trans-Himalayan Ladakh region India</td>
<td>11/1/2013</td>
<td><a href="mailto:girishleh@gmail.com">girishleh@gmail.com</a></td>
</tr>
<tr>
<td>Prabodh Kumar Bajpai (Biotechnology, SRF-DRDO)</td>
<td>096553</td>
<td>Dr. Harvinder Singh</td>
<td>Adaptation, population genetics and fruit quality characteristics of morus albal. from trans-Himalayan Ladakh region, India</td>
<td>5/17/2014</td>
<td><a href="mailto:prabodhbajpai11180@gmail.com">prabodhbajpai11180@gmail.com</a></td>
</tr>
<tr>
<td>Amol Bapurao Tayade (Pharmacy, SRF-DRDO)</td>
<td>086557</td>
<td>Dr. Manu Sharma</td>
<td>Phytochemical characterization and pharmacological evaluation of Rhodiola imbricata edgew root from trans-Himalayan cold desert region of Ladakh, India</td>
<td>12/22/2015</td>
<td><a href="mailto:amoltayade@gmail.com">amoltayade@gmail.com</a></td>
</tr>
<tr>
<td>Ashish Warghat (Biotechnology, SRF-DRDO)</td>
<td>096551</td>
<td>Dr. Hemant Sood</td>
<td>Biodiversity and conservation of Dactylorrhiza Hatagirea from trans Himalayan ladakh region of India</td>
<td>09/25/2015</td>
<td><a href="mailto:ashishwarghat@hotmail.com">ashishwarghat@hotmail.com</a></td>
</tr>
<tr>
<td>Phuntsog Dolkar (Biotechnology, SRF-DRDO)</td>
<td>126560</td>
<td>Dr. Anil Kant</td>
<td>cold tolerance in Seabuckthorn</td>
<td>5/19/2018</td>
<td><a href="mailto:dolkar720@gmail.com">dolkar720@gmail.com</a></td>
</tr>
</tbody>
</table>

**Scientist, Plant cell and tissue engineering:** (CSIR-IHBT, Palampur)

SRF: National Research Institute for Sowa-Rigpa, Leh
Jagdish Singharya (Biotechnology, SRF-DRDO)
Roll Number: 126559
Guide Name: Dr. Anil Kant
Ph.D. Title: Characterization & evaluation of onion genotypes for bulb yield, mineral content climatic and first harvest keeping quality at agriclimatic condition of Leh–Ladakh
Email Id: jagdishsingh0482@gmail.com
Ph.D. Awarded: 2/23/2019

Tsewang Rinchen (Biotechnology, SRF-DRDO)
Roll Number: 136567
Guide Name: Dr. Anil Kant
Ph.D. Title: Morphological, Molecular and phytochemical characterization of Indigenous population & Atriplex hortensis L. from the trans-Himalayan region of Ladakh, India
Email Id: rinchan_kal@yahoo.com
Ph.D. Awarded: 6/3/2020
Field Botanist: National Research Institute For Sowa rigpa, Leh

Avilekh Naryal (Biotechnology, SRF-DRDO)
Roll Number: 146552
Guide Name: Dr. Anil Kant
Ph.D. Title: Fruit quality characterization of Apricot (Prunus Armeniaca L.) of Ladakh
Email Id: avilekh@gmail.com
Ph.D. Awarded: 12/14/2019
Program Coordinator: Dept. of Science & Technology, Govt. of India, Noida

Sahil Kapoor (Biotechnology, SRF-DRDO)
Roll Number: 136561
Guide Name: Dr. Hemant Sood
Ph.D. Title: Conservation and production of important secondary metabolites of Rhodiola Imbeicata by in Vitro culture
Email Id: skpuindia7@gmail.com
Ph.D. Awarded: 09/16/2020
Assistant Professor: Department of Botany, M K Amin College of MS University of Baroda

Sahil Kalia (Biotechnology, SRF-DRDO)
Roll Number: 126556
Guide Name: Dr. M. Udaybanu
Ph.D. Title: Studies on the effect of phytogenic feed additives on immune modulation, growth performance & survivability of broiler chickens at high altitude
Email Id: sahilkalia87@gmail.com
Ph.D. Awarded: 08/27/2018
Postdoctoral Associate: Cornell University, USA

Kushal Kumar (Pharmacy, SRF-DRDO)
Roll Number: 146752
Guide Name: Dr. M. Udaybanu
Email Id: kushal1kumar@gmail.com
Ph.D. Awarded: 09/30/2019
Drug Inspector: H. P. State Drugs Control Administration, Solan, Himachal Pradesh