

LIST OF M. PHIL. RESEARCH PROJECTS COMPLETED AT THE DEPARTMENT OF MICROBIOLOGY

<b>Sr#</b>	<b>Name of Student</b>	<b>Date of Admission</b>	<b>Date of Completion</b>	<b>Thesis Title</b>	<b>Supervisor</b>
1.	Mahpara Zafar	Fall 2017	Spring 2019	Characterization of bacteriocins produced by bifidobacteria isolated from ruminants	Dr. Sadia Alam
2.	Muhammad Tariq	Fall 2017	Spring 2019	Isolation and Characterization of Lytic Bacteriophages from Feedlot Manure Against Pathogenic Bacteria	Dr. Irshad ul Haq
3.	Mubarra Shoukat	Fall 2017	Spring 2019	Molecular Characterization and Bioactive Potential of Endophytic Bacteria Isolated from Berberis lycium	Dr. Sobia Nisa
4.	Nida Fareed	Fall 2017	Spring 2019	In vitro evaluation of antioxidant and antibacterial activity of green synthesized silver nanoparticles against multidrug resistant bacterial	Dr. Sobia Nisa
5.	Mubashar Ali	Fall 2017	Spring 2019	Synthesis and in vitro evaluation of antibacterial and antioxidant properties of Silver Nanoparticles by turnip extract.	Dr. Sobia Nisa
6.	Maria Gul	Fall 2017	Spring 2019	Isolation and characterization of bacteriophages from poultry sources against Staphylococcus aureus	Dr. Syed Muhammad Ali
7.	Anita Kanwal	Fall 2017	Spring 2019	Detection and identification of extended spectrum beta lactamase producing Klebsiella pneumoniae in the hospital effluents from haripur city, Kp	Dr. Farukh Javed
8.	Rahimullah	Fall 2017	Spring 2019	Isolation and Identification of Bacteria from Marine samples in Pakistan with Antibacterial Activity	Dr. Syeda Asma Bano
9.	Mehmoona Bibi	Fall 2017	Spring 2019	Isolation and purification of riboflavin produced from bacterial species by using Hilal Sources	Dr. Muhammad Mumtaz

10.	Izhar ul Haq	Fall 2017	Spring 2019	Molecular Epidemiology and Characterization of Hepatitis Delta Virus from Different Regions of Khyber Pakhtunkhwa, Pakistan	Dr. Muhammad Mumtaz
11.	Aniqa Bano	Fall 2017	Spring 2019	Molecular Characterization of Hepatitis Virus (hbv and hdv) Co Infection in Hepatitis C virus Patients from Hazara Region	Dr. Muhammad Mumtaz
12.	Sajjad Fazal	Fall 2017	Spring 2019	Characterization of Multi-Drug Resistant Strains of Salmonella enterica serovar Typhi Collected from Khyber Pakhtunkhwa	Dr. Sadia Alam
13.	Attia Shah	Fall 2017	Spring 2019	Molecular Characterization of Extended Spectrum Beta-Lactamase Producing Escherichia Coli from Migratory Birds in Hazara Region.	Dr. Sadia Alam
14.	Iqra Bibi	Fall 2017	Spring 2019	Detection of HPV and EBV co infection in oral carcinoma patients	Dr. Maimoona Sabir
15.	Aroosa Zaman	Fall 2017	Spring 2019	Molecular Diversity of Potato Virus Y Infecting Potato crop, Haripur, KPK	Dr. Waqas Ahmed
16.	Syeda Masooma Zainab	Fall 2017	Spring 2019	Isolation of various bio-effective compounds from Moringa oleifera, Arctium Lappa L. and Sylibum marianum extracts and their Synergistic effects on pathogenic bacteria.	Dr. Waqas Ahmed
17.	Amber Shahid	Fall 2017	Spring 2019	Identification and characterization of bacteriocins produced by Lactobacilli isolated from fermented vegetables	Dr. Sadia Alam
18.	Sehrish Sadaqat	Fall 2017	Spring 2019	Molecular characterization of extended spectrum beta lactamase producing Escherichia coli from the hospital effluents in Haripur city, Khyber Pakhtunkhawa	Dr. Farukh Javed

19.	Aisha Bibi	Fall 2017	Spring 2019	Molecular Characterization of Riboflavin producing Bacterial species by using Halal source nutrients.	Dr. Mumtaz Khan
20.	Asma Bibi	Fall 2017	Spring 2019	Isolation and characterization of lytic bacteriophages against waterborne pathogenic bacteria	Dr. Farukh Javed
21.	Bushra Fatima	Fall 2017	Spring 2019	Source tracking and molecular characterization of methicillin resistant Staphylococcus aureus (MRSA) in farmed chickens in Islamabad and Haripur cities	Dr. Syed Muhammad Ali
22.	Maria Rukan	Fall 2017	Spring 2019	Molecular characterization of Bordetella pertussis strains for the study of diphtheria, tetanus, pertussis vaccine efficacy against whooping cough	Dr. Syed Muhammad Ali
23.	Sidra Noor	Fall 2017	Spring 2019	Bacteriocin production and genetic analysis of staphylococci from poultry sources	Dr. Syed Muhammad Ali
24.	Muzammil Salik Mughal	Fall 2017	Spring 2019	Carbapenem resistance in gram negative bacterial strains isolated from clinical samples	Afshan Saleem
25.	Nimra Khan	Fall 2017	Spring 2019	Molecular characterization and bioactive potential of endophytic fungi from Debregeasia salicifolia	Dr. Sobia Nisa
26.	Huma Tashfeen	Fall 2017	Spring 2019	Fungal stalk rot disease of maize in Haripur : Pathogen detection and host biochemical characterization	Dr. Syeda Asma Bano
27.	Noreen Akhtar	Fall 2017	Spring 2019	Genotyping of Epstein-Barr Virus in Patients with Rheumatoid Arthritis	Dr. Maimoona Sabir
28.	Reesha Kalsoom	Fall 2017	Spring 2019	Biofilm Reduction Ability of Metal Oxide Nanoparticles Against the Selected Pathogenic Bacteria	Dr. Waqas Ahmed

29.	Habiba Daud	Fall 2017	Spring 2019	Prevalence of drug resistant microbes in sepsis cases of catheter and fistula based haemodialysis	Dr. Waqas Ahmed
30.					
31.	Ayesha Kanwal	Fall 2017	Spring 2019	Molecular characterization of arbuscular mycorrhizal fungi from tomato growing areas of Hazara District, Pakistan.	Dr. Syeda Asma Bano
32.	Sidra Naz	Fall 2017	Spring 2019	Isolation and characterization of antibiotic producing microorganisms from industrial waste soil samples of Hattar	Dr. Syeda Asma Bano
33.	Laiba Hassan	Fall 2018	Spring 2020	Prevalence and molecular identification of Brucella species in selected hospitals of Abbottabad	Dr. Syed Muhammad Ali
34.	Nayab Ali	Fall 2018	Spring 2020	Isolation and identification of Bordetella species from persistent cough patients in selected hospitals of Khyber Pakhtunkhwa	Dr. Syed Muhammad Ali
35.	Sundas Nisar	Fall 2018	Spring 2020	Characterization of Cyanobacteria from freshwater for potential antimicrobial activity	Dr. Syeda Asma Bano
36.	Mubashra Bibi	Fall 2018	Spring 2020	Molecular cloning and expression of nucleocapsid gene (HDAG) of hepatitis delta virus genotype I	Dr. Farakh Javed
37.	Jasia abbasi	Fall 2018	Spring 2020	Molecular identification of Pseudomonas from patients, hospital means and personnel's specimen from hospitals of Hazara division	Dr. Muhammad Mumtaz
38.	Haleema Noureen	Fall 2018	Spring 2020	Evaluation of probiotic bacteria for stabilization of rice bran oil	Dr. Sadia Alam
39.	Sadia Gul	Fall 2018	Spring 2020	Analysis of Antibacterial and Anti-Tumor Activity of Beta Lapachone	
40.	Muhammad Atif Khan	Fall 2018	Spring 2020	Molecular characterization and probiotic potential of lactic acid bacteria isolated from dairy products	Dr. Sobia Nisa

41.	Nahima Anhum	Fall 2018	Spring 2020	Whole genome sequencing and analysis of genetic recombination among different genotypes of hepatitis delta virus	Dr. Farakh Javed
42.	Samia Atiq	Fall 2018	Spring 2020	Evaluation of Lactobacilli for Production of antiobesity Compounds	Dr. Sadia Alam
43.	Sadaf Naz	Fall 2018	Spring 2020	Evaluation of Antibacterial Activity of Adhatoda vasica, Amaranthus hybridis and Aloe barbadensis	Dr. Sadia Alam
44.	Syeda Alishba Batool	Fall 2018	Spring 2020	Frequency and Antibiotic susceptibility patterns of Bacterial Vaginosis among women of reproductive age in Hazara Division	Dr. Farakh Javed
45.					
46.	Aamn a Zehra	Fall 2018	Spring 2020	Surveillance and molecular characterization of carbapenem and colistin resistant Pseudomonas aeruginosa in Rawalpindi	Dr. Syed Muhammad Ali
47.	Salma Noor	Fall 2018	Spring 2020	Detection of high risk genotypes human Papilloma virus and Epstein Barr Virus in oropharyngeal cancer patients	Dr. Maimoona Sabir
48.	Faisal Zaman	Fall 2018	Spring 2020	Molecular identification of Candidatus liberibacter causing citrus greening disease in District Haripur	Dr. Maimoona Sabir
49.	Sofia Sultana	Fall 2018	Spring 2020	Isolation and characterization of lytic bacteriophages from onion's rhizosphere against Burkholderiacepacia complex	Dr. Irshad ul Haq
50.	Waqar khan	Fall 2018	Spring 2020	Isolation and Identification of Cellulose Producing Bacteria From Different Sources	Dr. Sadia Alam
51.	Ayesha Bibi	Fall 2018	Spring 2020	Evaluation of antifungal activity of selected medicinal plants against teniapedis causing dermatophytes	Dr. Waqas Ahmed

52.	Nighat Rabbani	Fall 2018	Spring 2020	Molecular Epidemiology and Genotyping of Hepatitis delta virus (HDV) circulating in Pakistani population	Dr. Farakh Javed
53.	Saddaf	Fall 2018	Spring 2020	Biodegradation of waste engine oil by bacterial strains isolated from agricultural soil of Haripur.	Dr. Sobia Nisa
54.	Anum Khan	Fall 2018	Spring 2020	Antifungal activity of copper nanoparticles and simvastatin against athlete foot causing pathogen	Dr. waqas Ahmed
55.	Uzma Nawaz	Fall 2018	Spring 2020	Antimicrobial properties of green synthesized silver nanoparticles by using DebregaesiaSalicifolia extracts	Dr. sobia Nisa
56.	Asmaria Khurshid	Fall 2018	Spring 2020	Frequency and resistance pattern of Escherichia coli in nosocomial and community acquired UTI infection in district Haripur, kpk, Pakistan	Dr. Muhammad Mumtaz
57.	Usman Ali	Fall 2018	Spring 2020	Isolation and Characterization of Bacteriophages against Multiple Drug Resistant Salmonella gallinarium	Afshan saleem
58.	Muhammad Asim	Fall 2018	Spring 2020	Isolation and characterization of bacteriophages from environmental samples against Salmonella species	Dr. Irshad ul Haq
59.	Maria Bibi	Fall 2018	Spring 2020	Molecular identification of antibiotic resistance genes of Helicobacter pylori isolated from gastric cancer patients	Dr. Maimoona Sabir
60.	Aisha Iftikhar	Fall 2018	Spring 2020	Evaluation of Antilipase Activity of Rhodococcus species Isolated from Soil	Dr. sadia Alam
61.	Iram Hassan	Fall 2018	Spring 2020	Molecular identification of bacteriolytic enzymes producing actinomycetes from seashore mud in Pakistan	Dr. Syeda Asma Bano
62.	Maryam Nisar	Fall 2018	Spring 2020	Molecular identification of ArbuscularMycorrhizal fungi from	Dr. Syeda Asma Bano

				maize growing areas of Hazara division, Pakistan	
63.	Sadia Waseem	Fall 2018	Spring 2020	Biodegradation of plastic by fungi isolated from soil of waste dump areas	Dr. Syeda Asma Bano
64.	Saba Rafique	Fall 2018	Spring 2020	Evaluation of antibacterial activity of <i>Brassicacapitatarubra</i> , <i>Rumexhastatus</i> and <i>Foeniculumvulgare</i> against citrus canker caused by <i>Xanthomonascitri</i>	Dr. Waqas Ahmed
65.					
66.	Zainab Sajid	Fall 2018	Spring 2020	Isolation and molecular characterization of plastic degrading strains of <i>Serratiamarcescens</i>	Dr. Muhammad Mumtaz
67.	Kainat Fatima	Fall 2018	Spring 2020	Isolation and molecular characterization of food borne <i>Listeria</i> spp. from Havelian	Dr. Muhammad Mumtaz
68.	Salma Akhtar	Fall 2018	Spring 2020	Screening of spent engine oil degrading bacteria from polluted soil	Dr. Sobia Nisa
69.					
70.	Bushra Iqbal	Fall 2018	Spring 2020	Molecular characterization and bioactive potential of endophytic bacteria isolated from <i>Silybummarianum</i> .	Dr. Sobia Nisa
71.	Fatima Amjid	Fall 2018	Spring 2020	Biocontrol of <i>Listeria monocytogenes</i> by using bacteriophages	Dr. Syed Muhammad Ali
72.	Momina Sardar	Fall 2018	Spring 2020	Antifungal effect of copper oxide and zinc oxide nanoparticles against <i>Alternariacitri</i> causing citrus black rot disease	Dr. Waqas Ahmed
73.	Saima Sher Afghan	Fall 2018	Spring 2020	Isolation and characterization of lytic bacteriophage from sewage water against <i>Pseudomonas aeruginosa</i>	Dr. Irshad-ul-Haq

74.	Maida Asif	Fall 2018	Spring 2020	Isolation and characterization of lytic bacteriophages from sewage water against <i>Pseudomonas aeruginosa</i>	Dr. Syed Muhammad Ali
75.	Iram Sattar	Fall 2018	Spring 2020	Evaluation of bioactive compounds from bacterial endophytes of <i>Calotropisprocera</i>	Dr. Sobia Nisa
76.	Anita Imtiaz	Fall 2019	Spring 2021	Detection of pathogenic fungi affecting maize cultivars and characterization of maize genotypes for the presence of resistant genes	Dr. Syeda Asma Bano
77.	Komal Rasheed	Fall 2019	Spring 2021	Evaluation of resistance in different Maize cultivars against fungal pathogens	Dr. Syeda Asma Bano
78.	Javaria Muzaffar	Fall 2019	Spring 2021	Phytochemical Analysis And Antimicrobial Activities Of Maize Silk	Dr. Syeda Asma Bano
79.	Shair Bano	Fall 2019	Spring 2021	Phytochemical Assessment And Antimicrobial Activities Of <i>Euphorbia prostrata</i> And <i>Cichorium intybus</i>	Dr. Syeda Asma Bano
80.	Khadija tul Kubra	Fall 2020	Spring 2022	Antimicrobial Potential Of Citrus Fruit-Peels And Their Assessment As Food Preservative	Dr. Syeda Asma Bano
81.	Khadija Malik	Fall 2020	Spring 2022	Molecular Identification Of Facultative Anaerobic Bacterial Pathogens From Canned Food And Use Of <i>Lactobacillus</i> Strains As A Bio-Control Agent	Dr. Syeda Asma Bano
82.	Adnan	Fall 2020	Spring 2022	Phytochemical Screening, Antimicrobial and Ant-Oxidant Activities of <i>Salvadora persica</i> And <i>Calotropis gigantea</i> Extracts Against Selected Pathogens	Dr. Syeda Asma Bano
83.	Ibrar	Fall 2020	Spring 2022	Isolation and Identification of <i>Bacillus subtilis</i> and <i>Pseudomonas</i>	Dr. Syeda Asma Bano



				<i>fluorescens</i> from wheat rhizosphere and their use as biocontrol agents	
84.	Kaainat	Fall 2020	Spring 2022	Molecular Identification Of Plant Growth Promoting Bacteria From Rhizospheric Soil Of <i>Pisum sativum</i> From Haripur	Dr. Syeda Asma Bano
85.	Ammara Bibi	Fall 2020	Spring 2022	Antibiofilm Activity Of <i>Eucalyptus camaldulensis</i> For Combating Bacterial Infections	Dr. Syeda Asma Bano
86.	Faiza Hafeez	Fall 2021	Spring 2023	Detection of fungal pathogens in <i>solanum lycopersicum</i> plants and its's Management	Dr. Syeda Asma Bano
87.	Laraib Bibi	Fall 2021	Spring 2023	Detection Of Fungal Pathogens From Banana Plants And Their Management Using <i>Trichoderma</i> Species	Dr. Syeda Asma Bano
88.	Saima	Fall 2021	Spring 2023	Detection Of Proteases From <i>Bacillus</i> Species Isolated From An Agricultural Soil	Dr. Syeda Asma Bano
89.	Kaainat Zeb	Fall 2021	Spring 2023	Salinity stress alleviation in <i>Triticum aestivum</i> due to plant growth promoting Rhizobacterium and Arbuscular mycorrhizal fungi	Dr. Syeda Asma Bano
90.	Syeda Mahnoor Murtaza	Fall 2019	Spring 2021	Microbial assisted phytoremediation potential of <i>Linum usitatissimum</i> in chromium spiked soil	Dr.Sadia Alam
91.	Sania Javed	Fall 2019	Spring 2021	Biosorption of selected heavy metals from water by <i>Bacillus cereus</i> and <i>Bacillus xiamenensis</i>	Dr.Sadia Alam
92.	Saba Khalid	Fall 2019	Spring 2021	Evaluation of green algae for cellulose productions and assessment of its environmental impacts	Dr.Sadia Alam
93.	Kubsha Awan	Fall 2020	Spring 2022	Lactobacilli and bacterial cellulose conjugate based antimicrobial food packaging in cheese	Dr.Sadia Alam

94.	Uqba Awan	Fall 2020	Spring 2022	Evaluation of lactococci for biopreservation of cereal porridges from fungal spoilage	Dr.Sadia Alam
95.	Kainat Shakoor	Fall 2020	Spring 2022	Evaluation of shelf life extension of fish ( <i>Labeo rohita</i> ) with corn zein extract and garlic oil based nano emulsion	Dr.Sadia Alam
96.	Kiran Aqil	Fall 2020	Spring 2022	Estimating the change in shelf life of Mrigal carp ( <i>Cirrhinus cirrhosus</i> ) with the application of corn zein and cinnamon-oil based nanoemulsion	Dr.Sadia Alam
97.	Amal Khurshid	Fall 2021	Spring 2023	Formulation of Lactobacillus based poultry feed using <i>Zea mays</i> , <i>Cucurbita pepo</i> and <i>Spinacea oleracea</i> extracts	Dr.Sadia Alam
98.	Fatima Noor	Fall 2021	Spring 2023	Extraction of cellulose from freshwater green algae and its application as biodegradable food packaging	Dr.Sadia Alam
99.	Sadia Urooj	Fall 2021	Spring 2023	Optimization of Bacterial Cellulose Production from Pea Peels Extract and its Conversion into Bio-plastic	Dr.Sadia Alam
100.	Aneeta Bibi	Fall 2021	Spring 2023	Therapeutic potential of <i>Hippophae rhamnoides</i> and <i>Cheonpodium album</i> against foodborne pathogens	Dr.Sadia Alam
101.	Sammar Shafiq	Fall 2021	Spring 2023	Antibacterial potential of <i>Beta vulgaris</i> , <i>Spinacia oleracea</i> and <i>Trigonella foenum-graecum</i> against <i>Salmonella enterica</i> serovar Typhi	Dr.Sadia Alam
102.	Syeda Mahnoor Murtaza	Fall 2019	Spring 2021	Microbial assisted phytoremediation potential of <i>Linum usitatissimum</i> in chromium spiked soil	Dr.Sadia Alam
103.	Zainab Farooq	Fall 2019	Spring 2021	Isolation and characterization of bioactive compounds from endophytic <i>Fusarium fojikoroi</i> residing <i>Debregeasia salicifolia</i> .	Dr. Sobia Nisa

104.	Humaira Shaheen	Fall 2019	Spring 2021	Prevalence and antimicrobial resistance patterns in methicillin-resistant <i>S. aureus</i> from patients of diabetic foot ulcer	Dr. Sobia Nisa
105.	Mehboobullah	Fall 2019	Spring 2021	Prevalence of carbapenem resistance in <i>Pseudomonas aeruginosa</i> strains isolated from diabetic foot ulcer.	Dr. Sobia Nisa
106.	Nimra Nasir	Fall 2020	Spring 2022	Antibacterial activity of endophytic <i>Aspergillus tubigenis</i> mediated nanoparticles against multidrug resistant bacteria	Dr. Sobia Nisa
107.	Anis Malik	Fall 2020	Spring 2022	Prevalence of antibiotic resistance in <i>Enterobacter</i> species isolated from environmental samples	Dr. Sobia Nisa
108.	Ahsan Naeem	Fall 2020	Spring 2022	Evaluation of hematological and clinical parameters for differential diagnosis of dengue, malaria, typhoid and covid-19 infections	Dr. Sobia Nisa
109.	Naveed Shah	Fall 2020	Spring 2022	Detection of <i>tem</i> , <i>SHV</i> and <i>CTX-M</i> beta-lactamase genes in <i>E. coli</i> strains isolated from bats feces	Dr. Sobia Nisa
110.	Imranullah	Fall 2020	Spring 2022	Chemical composition and antibacterial activity of medicinally important essential oils against multidrug resistant bacteria	Dr. Sobia Nisa
111.	Ayesha Jalil	Fall 2021	Spring 2023	Isolation and antibiotic resistance profile of verotoxin-producing <i>Escherchia coli</i> from raw milk	Dr. Sobia Nisa
112.	Arzoo Nazir	Fall 2021	Spring 2023	Characterization of enterotoxigenic <i>Escherchia coli</i> and <i>Staphylococcus aureus</i> from fruit and vegetable salads.	Dr. Sobia Nisa
113.	Zainab Nawaz	Fall 2021	Spring 2023	Detection of <i>bla-Oxa</i> and <i>bla-Imp</i> in <i>Serratia marcescens</i> isolated from raw milk and milk products	Dr. Sobia Nisa

114.	Laraib Sajid	Fall 2021	Spring 2023	Antibiotic resistance profile of <i>Serratia marcescens</i> an opportunistic nosocomial pathogen isolated from clinical samples	Dr. Sobia Nisa
115.	Iqra Bano	Fall 2020	Spring 2022	ISOLATION, MOLECULAR IDENTIFICATION AND DETECTION OF ANTIBIOTIC RESISTANCE GENES IN SALMONELLA ISOLATES FROM POULTRY SOURCES IN HAZARA DIVISION	Dr. Syed Muhammad Ali
116.	Maryam Gul	Fall 2020	Spring 2022	Detection of integrons and gene cassettes in <i>Salmonella species</i> from poultry farms in Hazara Division	Dr. Syed Muhammad Ali
117.	Noor ul Ain Shehzadi	Fall 2019	Spring 2022	DETECTION OF INTEGRONS AND ANTIBIOTIC RESISTANCE GENES IN CLINICAL ISOLATES OF PSEUDOMONAS AERUGINOSA IN RAWALPINDI	Dr. Syed Muhammad Ali
118.	Nayab Shehzadi	Fall 2020	Spring 2022	Isolation and molecular characterization of <i>Pseudomonas aeruginosa</i> and <i>Escherichia coli</i> from beauty salons in Haripur city.	Dr. Syed Muhammad Ali
119.	Muskan Shehzadi	Fall 2020	Spring 2022	Isolation and molecular characterization of <i>Staphylococcus species</i> from cosmetic products and accessories	Dr. Syed Muhammad Ali
120.	Zainab Bibi	Fall 2020	Spring 2022	Detection of integrons in <i>Staphylococcus aureus</i> from clinical isolates	Dr. Syed Muhammad Ali
121.	Tajallah Imran	Fall 2020	Spring 2022	Development of multiplex PCR for the detection of <i>pvl</i> , <i>mecA</i> , <i>nuc</i> and genus specific genes from <i>Staphylococcus aureus</i> isolates	Dr. Syed Muhammad Ali

122.	Gulrah Noor	Fall 2021	Spring 2023	Isolation and Characterization of <i>E.coli and klebsiella spp</i> from table eggs in Haripur city	Dr. Syed Muhammad Ali
123.	Talha Masood	Fall 2021	Spring 2023	Detection of integrons and antibiotic resistance genes in clinical isolates of <i>pseudomonas aeruginosa</i> in Rawalpindi	Dr. Syed Muhammad Ali
124.	Humaira Arshad	Fall 2021	Spring 2023	In vitro efficacy of bacteriophages against diarrhea causing <i>Escherichia coli</i> .	Ms. Afshan Saleem
125.	Wajiha Sajjad	Fall 2021	Spring 2023	<i>In vitro</i> efficacy assessment of bacteriophages against coliform mastitis	Dr. Javed Muhammad
126.	Muhammad Wajahat	Fall 2020	Spring 2022	Covid-19 detection through Real Time Polymerase Chain Reaction and its impact on Hematological and biochemical parameters	Dr. Javed Muhammad
127.	Haseeb ur Rehman	Fall 2020	Spring 2022	Development and <i>in vitro</i> activity of chitosan-colistin nano-antibiotic against multidrug resistant <i>Acinetobacter baumannii</i>	Dr. Javed Muhammad
128.	Alam Khan	Fall 2020	Spring 2022	Synthesis and therapeutic potential of chitosan-ciprofloxacin nanoantibiotic against multidrug resistant <i>Salmonella typhi</i> .	Dr. Javed Muhammad
129.	Abbas Ahmad	Fall 2020	Spring 2022	Antibacterial Potential of Green Synthesized Silver Nanoparticles Using Extract of <i>Grewia asaitica</i>	Dr. Javed Muhammad
130.	Miss Zainab Khalid	Fall 2020	Spring 2022	Serosurveillance and molecular characterization of Measles virus strains circulating in selected regions of Khyber Pakhtunkhwa.	Dr. Javed Muhammad
131.	Naseer ullah	Fall 2020	Spring 2022	<i>In Vitro</i> Evaluation of Synergistic Potential of Cardamom and Lavender Essential Oils against Multidrug Resistant Bacteria	Dr. Javed Muhammad

132.	Shahzab khan	Fall 2020	Spring 2022	Effect of Carica papaya in increasing in thrombocytes counts in patients infected with Dengue virus	Dr. Maimoona Tahir
133.	Raheel awan	Fall 2020	Spring 2022	Evaluation and interpretation of polymyxin sensitivity by disc elution method against carbapenem resistant clinical isolates	Dr. Maimoona Tahir
134.	Sara najeeb	Fall 2020	Spring 2022	Antibiotic susceptibility pattern of Enterococcus faecalis isolated from domestic waste water	Dr. Maimoona Tahir
135.	Saman iftikhar	Fall 2020	Spring 2022	Bioassays of Carica papaya extracts as a natural treatment of gastric diseases.	Dr. Maimoona Tahir