



UNION CHRISTIAN COLLEGE ALUVA-2



SSR 5th CYCLE 2023



Criterion 1

1.3 Curriculum Enrichment



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Department of Biosciences	
Programme	No of Academic Projects
Biological Techniques & Specimen Preparation	29
MSc Bioinformatics	23
MSc Biotechnology	23

Department of Bioscience			
No	Name	Register Number	Title of Project
1	Ahmed Rahiman Sherif	20021042462	Preparation Of Bioethanol From Banana Peel
2	Aisha N E	20021042463	Restriction Digestion By Eco Ri And Hind Iii



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3	Akshay Rajeev	20021042464	Biochemical Characterization And Antibiotic Resistance Profile Of <i>Staphylococcus Aureus</i> Isolated From Wound Sample
4	Alakananda P B	20021042465	Isolation, Enumeration, Morphological And Biochemical Characterisation Of Bacterial Samples From Mayonnaise
5	Amala Prasad	20021042466	Preparation Of Bioethanol From Banana Peel
6	Anjana Venu	20021042467	In Silico Vaccine Design Against Hepatitis C Virus
7	Aseela Nazar	20021042468	In Silico Design Of Putative Hdac 8 Inhibitors Using Molecular Docking
8	Athira Anilkumar	20021042469	A Study On The Hymenopteran Diversity With Special Reference To Ants (Formicide) Of Vypin Block
9	Athira P Nair	20021042470	Polymerase Chain Reaction (Pcr): Principle And Applications
10	Athul Shaji	20021042471	Preliminary Survey On Spider Diversity Of Union Christian College, Aluva
11	Ayisha Shaji	20021042472	Drug Designing Of Ebola Virus Using Cadd



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12	Bhadra Keerthi R J	20021042473	A Comparative Analysis Of The Antibacterial Activity Of Different Betel Leaf Extracts On Different Bacterial Strains
13	Derin Tommy	20021042474	Comparison Of Mangrove Diversity In Mangalavanam Bird Sanctuary And Matsyafed Malipuram Fish Farm - Aqua Tourism
14	Devika A	20021042475	Biochemical Characterization And Antibiotic Resistance Profile Of <i>Streptococcus Pyogenes</i> (Group A Bacteria) Isolated From Wound Sample
15	Fathima Thahsin	20021042476	Computer Aided Drug Designing
16	Goutham Krishna V K	20021042477	Estimation Of Vitamin C In Fruits
17	Geethu Muraleedharan	20021042478	Assessment Of Water Quality Parameters In Mangrove Forest Malipuram, Kerala, India
18	Jihana Shirin V A	20021042479	Bacterial Transformation With Plasmid Dna
19	Jishnu Shibu	20021042480	Insect Diversity In Mangrove Forest
20	Madhav R Nair	20021042481	Preliminary Studies On Phytochemical Analysis On <i>Salacia Reticulata</i> And <i>Curcuma Longa</i>



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21	Maria Sheona	20021042482	Analysis Of Drug Likeliness And Docking Studies Of Photochemical Constituents Derived From The Leaf Extract Of <i>Ocimum Sanctum</i>
22	Misna V P	20021042483	Isolation And Biochemical Characteristics Of <i>Rhizobium</i> From Pea Plants
23	Muhammed Afthab V R	20021042484	Analysis Of Drug Likeliness And Docking Studies Of Phytochemical Constituents Derived From Leaf Extracts Of <i>Coleus Aromaticies</i> Using Web Based Tools.
24	Nabeela K J	20021042485	Preliminary Studies On Phytochemical Analysis And Antioxidant Activity On <i>Pterocarpus Marsupium</i> And <i>Vernonia Anthelmintica</i>
25	Nasreen P A	20021042486	Analysis Of Drug Likeliness And Docking Studies Of Photochemical Constituents Derived From The Leaf Extract Of <i>Murraya Koenigii</i> Using Web Based Tools
26	Pooja Saji	20021042487	Comparative Analysis Of Vermicompost Quality Produced From Vegetable Waste, Newspaper, Plantain Stem Employing Earthworm <i>Eisenia Fetida(Sav)</i>
27	Sababi K B	20021042488	Analysis Of Short Sequence Repeat (Ssr) In Variant Of Tomato Plant
28	Sandhana P S	20021042489	Preliminary Studies On Phytochemical Analysis And Antioxidant Activity On <i>Phyllanthus Emblica</i> And <i>Tribulus Terrestris</i>
29	Sanjeev P Raj	20021042490	Isolation And Purification Of Plasmid Dna From <i>E.Coli</i> Using The Alkali Lysis Method



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MSc Biotechnology			
	Name	Register Number	Title Of Project
1	Akhila B	210011018681	Genome Wide Snp And Indel Analysis Of Three Philippine Mango Species Inferred From Whole Genome Sequencing
2	Aparna K.B	210011018682	Computational Design Of Potential Derivatives Of Sunitinib And Lapatinib For Down-Regulating Igf1r Mutation For Controlling Prostate Cancer
3	Aswathy Anilkumar	210011018683	Potential Derivatives Of Olaparib And Enzalutamide For Downregulating Cd3g Mutation, Controlling Prostate Cancer-An Insilico Approach
4	Aswathy E A	210011018684	A Deep Learning Model For Predicting Oxygen Minimum Zone From Marine Metagenome Sequences
5	Aswathy Lavan	210011018685	Metagenomic Data Of Bacterial Community From Different Land Uses At The River Basin.



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6	Athira C H	210011018686	Whole Genome Sequencing Reveals The Islands Of Novel Polymorphisms In Two Native Aromatic Japonica Rice Landraces From Vietnam
7	Bexy Maria James	210011018687	Pan Genome Sequence Analysis Of <i>Salmonella Enterica</i> From Diverse Countries
8	Elizabeth Serin	210011018688	Transcriptome Analysis Of Sweet Orange Trees Infected With 'Candidatus Liberibacter Asiaticus' And Two Strain's Of Citrus Tristeza Virus.
9	Fathima Nourin	210011018689	Identification Of Novel Potential Inhibitors Of Varicella -Zoster Virus Thymidine Kinase From Natural Compounds Database Through An In-Silico Approach
10	Ganga A S	210011018690	Understanding Microbial Diversity Of Thar Desert Using Metagenomic Analysis
11	George Sabu	210011018691	Enhancing Almond Plant Defense Against <i>Xylella Fastidiosa</i> Through Bifunctional Peptide Endotherapy : Rna Sequencing Insights
12	Hiba Basheer	210011018692	Metagenomic Analysis Of Fecal Microbiome In Humanized Mice:Regulate Motor Deficits And Neuroinflammation In Parkinson's Disease
13	Kavya K	210011018693	Computational Analysis Of Newcastle Disease Virus: Investigating Molecular Interactions Of Anti-Viral Phytochemicals And Synthetic Drug With Rna Polymerase
14	Keerthana Sukumaran	210011018694	Transcriptome Analysis Of Drought-Tolerant Sorghum Genotype Sc56 In Response To Water Stress Reveals An Oxidative Stress Defense Strategy



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15	Krishnendu S R	210011018695	Insilico Design Of Potential Derivatives Of Pemigatinib And Futibatinib Down-Regulating Epcam Mutation Effective In Controlling Hepatocellular Carcinoma (Hcc).
16	Maria Catharin	210011018696	Insilico Screening And Molecular Dynamics Simulation Studies In The Identification Of Natural Compound Inhibitors Targeting The Human Norovirus RdRp Protein To Fight Gastroenteritis
17	Marva Fathima	210011018697	Metagenomic Oral Microbiome Analysis Of Hunter And Agricultural Population
18	Primal Didimose P R	210011018698	Microbes Of Gut Health: A Comprehensive Whole Genome Sequencing Investigation Of Beneficial <i>Bifidobacterium</i> Strains
19	Roopali Elizabeth George	210011018699	Heart Disease Prediction: Machine Learning And Personalized Doctor-Patient Care With Python
20	Sandra Sebastian	210011018701	Design Of Acadesine And Phenformin Derivatives For Down-Regulating Prkaa1 Mutation And Controlling Metabolic Disorder-A Computational Analysis.
21	Saranya Sasikumar	210011018702	Comparative Genomics Of Clostridium Species: The Causative Agents Of Botulism, Uncovering Pan-Genomic Diversity And Shell Gene Patterns Based On Heat Map, Phylogenetic Tree, Functional Annotation.
22	Sneha Baburaj	210011018703	Metagenomic Gut Microbiome Analysis Of Controlled Persons And Unhealthy Persons
23	Sreelekshmi B	210011018704	Comparative Pangenome Analysis Of Neisseria Species: Unravelling Genomic Diversity And Evolutionary Insights



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MSc Bioinformatics

1	Akshaya	210011020847	Computational Fluid Dynamic Analysis Of Perfusion Chamber Designed For Cell
2	Amala Baby	210011020848	Histology And Histomorphometry Of Rat Skin And Healed Surgical Incision Skin Wound
3	Anamika Salim	210011020849	Genetic Diversity And Phytochemical Analysis Of <i>Curculigo Orchioides</i>
4	Angel Thomas	210011020850	Effect Of Curcumin Albumin Conjugate In Platelet Activation
5	Ashna Rasheed	210011020851	Evaluating The Expression Of Cell Cycle Check Point Proteins In The Proliferation Of Cervical Precancerous And Cancerous Lesions
6	Aswathy D.Nair	210011020852	Evaluation Of In Vitro And In Vivo Wound Healing Potential Of Silver Nanoparticle Doped Polysaccharide Powder Formulation
7	Brigit Benny	210011020853	Histology And Histomorphometry Of Rabbit Skin And Healed Surgical Incision Skin Wound
8	Chithranjali. E	210011020854	Olfactory Perception Of <i>Ceanorhabditis Elegans</i> Towards Different Concentrations Of Solvents



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9	Fathima Sajmi	210011020855	Identification Of The Phytochemical Constituents From <i>Aegiceras Corniculatum</i> And Investigation Of Its Anticancer Potential On Mcf-7 Cells In Vitro
10	Gayathri Nair	210011020856	Computational Drug Discovery
11	Isra. M	210011020857	Detection Of Genetically Modified Microorganisms In Soil Environment Using Plate Count Method And Dna Based Method
12	Jyothilekshmi. M	210011020858	Development Of Immunochromatographic Based Rapid Diagnostic Test Kit For The Detection Of Sepsis
13	Kavya. O M	210011020859	Analysis Of Cytogenetics Abnormalities And Pten Mutation In Pediatric Acute Lymphoblastic Leukemia
14	Keerthi Velayudhan	210011020860	Extraction Of Dna From <i>Apis Cernia</i> And Evaluation Of Antibacterial Activity Of Honey On Burn Wound Isolates.
15	Muhsina Siyad	210011020861	Role Of Kynurenic Acid In Regulation Of Mitochondrial Stress In 6-Ohda Induced Toxicity In Pc 12 Cell Line
16	Ridha Benson	210011020862	The Impacts Of Sensory Perception On The Spatial Strategies Of <i>Caenorhabditis Elegans</i> In Changing Environment.
17	S. Silpa Das	210011020863	Osteogenic Differentiation Of Adipose Derived Mesenchymal Stem Cells On A Biomimetic Gelatin Based Scaffold System



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18	Sreedurga. A	210011020865	Detection Of Mitochondrial Dna In The Plasma Derived Exosomes
19	Sreejaya.P.C	210011020866	Histology And Histomorphometry Of Sheep Skin And Healed Surgical Incision Skin Wound
20	Priyadatha. M.K	210011020867	Computational Modelling Of Kinase Inhibitor Against Pneumococcal Serine -Threonine Kinase Protein , Stkp
21	Roja. P.V	210011020868	Evaluating The Antimicrobial Activity Of Endophytic Fluorescent Pseudomonas Sp.Against Phytophthora Capsici A Potential Solution For Combating Devastating Phytopathogens
22	Aparna. S.A	210011020869	Isolation And Characterization Of Plant Growth Promoting Bacteria From Rhizosphere And Root Endosphere Of Piper Spp. And Evaluation Of Their Anti-Oomycete Activity
23	Angelene Mathew	210011020870	Molecular Characterization Of Mapping Population Developed From Mulberry Root Knot Resistant And Susceptible Parents