1.3.4 Number of students undertaking field projects / research projects / internships during the year

2020-2021

RESEARCH PROJECTS

DEPARTMENT OF BIOCHEMISTRY

S.No	Name Of The Student	Reg Number	Research Projects
1	Vijune Lawrence.L	1802PC1001	IN-SILICO ANALYSIS AND MOLECULAR DRUG DOCKING STUDIES IN FLOWERS OF ABELMOSCHUS MOSCHATUS FOR PANCREATIC CANCER
2	Adhitya.K	1802PC1002	PHYTO-POLYPHENOLS ACT AS A POTENTIAL INHBITOR OF BREAST CANCER THROUGH THE PROLIFERATION AND INVASION OF ANGIOGENISIS STUDIES
3	Sri Ram.V	1802PC1006	REACTIVE OXYGEN SPECIES (ROS) ACTIVITY DETERMINES IN DIETARY FLAVANOIDS FOR CHEMOPREVENTION THROUGH HUMAN MAMMARY CANCER CELL LINES
4	Nithish.A	1802PC1007	MITOCHONDRIA TRANSMEMBRANE POTENTIAL DETERMINATION IN DIETARY FLAVANOIDS FOR CHEMOPREVENTION IN HUMAN MAMMARY CELL LINE
MSC BIOCHEMISTRY			
1	S. Farzana Begum-	1903PC2001	Phytochemical analysis –GC-MS analysis, antimicrobial properties and determination of antioxidant potential of glycyrrhiza glabra root extract.
2	M. Ranjitha	1903PC2002	Antibacterial activity, antioxidant and phytochemical analysis –GC-MS of mentha piperata (peppermint) leaf extract
3	S.Keerthana	1903pc2003	Mercury toxicity effects on the growth and biochemical analysis of pumpkin (curcurbita moschata duchesne)
4	K.ESWARI	1903pc2004	Bioaccumulation of mercury and its consequences in biochemical parameters of trigonell-foenum gracium (fenugreek)

DEPARTMENT OF BIOTECHNOLOGY

S.No	Name Of The Student	Reg Number	Research Projects
1	1802BT1001	KANIMOZHI .G	Sambhaloo (vitex negundo) pharmacological action and therapeutic benefits
2	1802BT1002	JEGASINI .R	FTIR Analysis from Abelmoschus moschatus flower
3	1802BT1004	SHOBANA .V	Abelmoschus moschatus flower extraction
4	1802BT1005	SRI RAMJI .P	HPLC ANALYSIS OF FLOWERS OF ABELMOSCHUS MOSATUS
5	1802BT1006	PRAGADEESHWARAN .G	ISOLATION OF ANTHRAQUIONES FROM ABELMOSCHAS MOSCHATUS FLOWER
6	1802BT1010	ANUSUYA .P	Cancer chemoprevention effects on 5-fluorouracil derivatives determines through oral cancer line through oxidative DNA cell

			damage studies
7	1802BT1014	SMITHA. A	Identification of bioactive components using GC -MS extract from Abelmoschus moschatus flower
8	1802BT1017	JOALA .MS	Dietary flavonoids and chemoprevention studies in human mammary cancer cell lines through oxidative DNA damage studies
9	1802BT1018	SANGEEVKUMAR .K	Fluorouracil derivative inhibits invasion, apoptosis in oral caner cell lines studies thorugh MTT assay Mitochondira transmembrane potential studies
1	1802BT1020	SURIYA .R	UV analysis of flowers of abelmoschus moschatus
11	1802BT1024	SNEHA .S	Proliferation migration and invasion determine in oral cancer cell line studies in 5-fluorouracil derivatives fhrough ROS
12	1802BT1026	MANIMOZHI .M	MTT assay and apoptotic nuclei morphological changes by Hoechst staining determines in 5-Fluorouracil derivative for chemoprevention through oral cancer cell lines
13	1802BT1029	GOKUL .S	Sambhaloo (vitex negundo) pharmacological action and therapeutic benefits
14	1802BT1030	SURUTHI .A	Plant tissue culture
15	1802BT1032	MISMAJEBARANI .A	Sambhaloo (vitex negundo) pharmacological action and therapeutic benefits
16	1802BT1033	SARGUNAN S	Effect of rosmarinic acid on KIM- and HO- in vancomycin induced nephrotoxic rats
17	1802BT1034	MOHAMED ASARUTHIN M	Sambhaloo (vitex negundo) pharmacological action and therapeutic benefits
18	1802BT1035	JAYA SREE A	5’ fluorouracil derivatives (5fu) inhibits proliferation migration in oral cancer cell line studies through MTT assay and AO/ETRr assay
20	1802BT1036	PRIYANKA V	Effect of rosmarinic acid on CYP2E and HSP70 in vancomycin induced nephrotoxic

			rats
Msc biotechnology			
	1901BT2001	J.Balamagesh	

DEPARTMENT OF MICROBIOLOGY

S.No	Name Of The Student	Reg Number	Research Projects
1	R. Sadhana	1802MB1002	Proliferation invasion, angiogenesis determination of photo polyphenols using brease cancer cell lines through mitochondia transmembrane potential studies.
2	D. Keerthika	1802MB1003	Proliferation migration and invation determine in oral cancer cell line studies in indole alkloides through MTT assay and oxidative damage assay
3	E. Vinotha	1802MB1005	Phyto polyphenols effect on prolifieration invasion angiogenesis in breast cancer cell lines through reactive oxygen species studies
4	K. Vaideeshwari	1802MB1006	Cancer chemoprevention effects dietary flavonoids on human mummary cell line thrugh MTT assay studies
5	S. Yasodha	1802MB1007	Bioenzymes from organic waste
6	S. Parkavi	1802MB1011	Amelioration of lipid profile in nephrotoxic rats.
7	B. Atchaya	1802MB1012	Chemoprevention determines using dietary flavonoids via human mammary cancer cell line though AOETER staining techniques
8	M. Dhivya	1802MB1013	Plastic degradation by marine actinomycetes for environmental application
9	P. MohanaPriya	1802MB1014	Effluent degradation process for environmental pollution control by marine actinomycetes.
10	P. Sri Priya	1802MB1015	MTT assay and nuclear damges by acridine orange assay determine in 5 fluorouracil for chemoprevention in oral cancer cell lines
11	N. Yuvaraj	1802MB1020	Plastic degradation by marine actinomycetes for environmental application
12	G. Anjugam	1802MB1021	Effect of electronic acid on carbohydrate metabolic enzymes in nephrotoxic rats
MSC MICROBIOLOGY			

1	P. Harikaran	1901MB2001	
2	M. Mohamed Thasneem	1901MB2002	
3	R. Abirami	1901MB2003	Glucose oxidase production from marine aspergillus niger
4	M. Afrin Rehana	1901MB2004	
5	R. Sushmitha	1901MB2005	Antioxidative activity of acetone and ethanol extract form spirulina platensis
6	C. Birundha	1901MB2006	Nephroprotective effects of Rosmarinic acid in vancomycin induces wistar rats
7	N. Atchaya	1901MB2008	Biodiversity and screening of bioenzymes from marine strepomyces species

NEPHROPROTECTIVE EFFECTS OF ROSMARINIC ACID ON VANCOMYCIN INDUCED WISTAR RATS

A Dissertation submitted in partial fulfillments of the requirements for the Award of the Degree of

MASTER OF SCIENCE

In

MICROBIOLOGY

By

C.BIRUNDHA

(Reg. No. 1901MB2006)

SCHOOL OF ARTS AND SCIENCE

DEPARTMENT OF MICROBIOLOGY

PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE AND TECHONOLOGY [PRIST]

THANJAVUR – 613 403, TAMILNADU

APRIL -2021

Fluorouracil derivative (5 FU) inhibits invasion, apoptosis in Oral cancer cell lines studies though MTT assay Mitochondria Transmembrane Potential studies

A Dissertation submitted in partial fulfillment of the requirements for the

Award of the Degree of

Bachelor of Science

In

Biotechnology

By

K. SANGEEV KUMAR

(Reg. No. 1802BT1018)

DEPARTMENT OF BIOTECHNOLOGY

PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TECHNOLOGY
[PRIST]

THANJAVUR – 613403 – TAMIL NADU

APRIL, 2021

CANCER CHEMOPREVENTION EFFECTS DIETARY FLAVONOIDS ON HUMAN MUMMARY CELL LINES THROUGH MTT ASSAY STUDIES

A Dissertation submitted in partial fulfillment of the requirements

For the

Awarded of the Degree of

BACHELOR OF SCIENCE

In

MICROBIOLOGY

By

Ms.K.VAIDEESHWARI

(Reg.no 1802MB1006)

Under the Guidance of

DR.A. BAKRUDEEN ALI AHMED M.Sc., Ph.D.

ASSOCIATE PROFESSOR

DEPARTMENT OF MICROBIOLOGY,

PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TAMILNADU

(PRIST)

THANJAVUR -613403 TAMILNADU.

APRIL-2021

SAMBHALOO (VITEX NEGUNDO): PHARMACOLOGICAL ACTIONS AND THERAPEUTIC BENEFITS

A Dissertation submitted in partial fulfilment of the requirements for the award of the Degree of

Bachelor of Science

in

Biotechnology

By

GOKUL S

(Reg. No 1802BT1029)

DEPARTMENT OF BIOTECHNOLOGY

PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TECHNOLOGY (PRIST)

THANJAVUR - 613 403 - TAMILNADU

APRIL 2021

PHYTO-POLYPHENOLS EFFECT ON PROLIFERATION, INVASION, ANGIOGENESIS IN BREAST CANCER CELL LINES THROUGH REACTIVE OXYGEN SPECIES STUDIES

A dissertation submitted in partial fulfillment of the requirements for the Award of the Degree of

BACHELOR OF SCIENCE

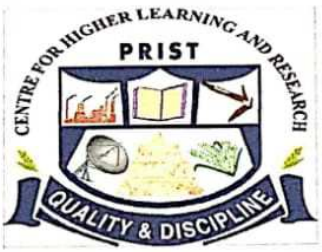
In

MICROBIOLOGY

By

E. VINOTHA

(Reg.No. 1802MB1005)



DEPARTMENT OF MICROBIOLOGY

PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University-U/S 3 Of UGC Act, 1956)

Vallam, Thanjavur – 613 403, Tamil Nadu, India

APRIL 2021

MTT assay and Apoptotic Nuclei Morphological Changes by Hoechst Staining determines in 5 – Fluorouracil derivative (5 FU) for chemoprevention through oral cancer cell lines

THESIS SUBMITTED TO THE PRIST DEEMED TO BE UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOTECHNOLOGY (2018-2021)

Submitted by

M. MANIMOZHI

(REG NO: 1802BT1026)

Under the guidance of

Dr. Arun Kumar M.Sc., M.Phil., Ph.D

Assistant Professor

DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

Centre for Research and Development (CRD)

PRIST Deemed to be UNIVERSITY

THANJAVUR

TAMIL NADU, INDIA

APRIL- 2021

5 – Fluorouracil derivative (5 FU) inhibits proliferation, migration in Oral cancer cell lines studies though MTT assay and AO/ETBr assay

THESIS SUBMITTED TO THE PRIST DEEMED TO BE UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE
DEGREE OF BACHELOR OF SCIENCE IN
BIOTECHNOLOGY (2018-2021)

Submitted by
A.JAYASREE
(REG NO: 1802BT1035)

Under the guidance of
Dr. Arun Kumar M.Sc., M.Phil., Ph.D
Assistant Professor

DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY
Centre for Research and Development (CRD)
PRIST Deemed to be UNIVERSITY
THANJAVUR
TAMIL NADU, INDIA
APRIL- 2021

CANCER CHEMOPREVENTION EFFECTS DIETARY FLAVONOIDS ON HUMAN MUMMARY CELL LINES THROUGH MTT ASSAY STUDIES

A Dissertation submitted in partial fulfillment of the requirements

For the

Awarded of the Degree of

BACHELOR OF SCIENCE

In

MICROBIOLOGY

By

Ms.K.VAIDEESHWARI

(Reg.no 1802MB1006)

Under the Guidance of

DR.A. BAKRUDEEN ALI AHMED M.Sc., Ph.D.

ASSOCIATE PROFESSOR

DEPARTMENT OF MICROBIOLOGY,

PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TAMILNADU

(PRIST)

THANJAVUR -613403 TAMILNADU.

APRIL-2021

APRIL, 2021

MITOCHONDRIA TRANSMEMBRANE POTENTIAL DETERMINATION IN DIETARY FLAVANOIDS FOR CHEMOPREVENTION IN HUMAN MAMMARY CELL LINE

A Dissertation submitted in partial fulfillment of the requirements for the award of the Degree of

Bachelor of Science
in
Biochemistry

by

A. NITHISH
(Reg. No. 1802PC1007)

DEPARTMENT OF BIOCHEMISTRY

PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TECHNOLOGY [PRIST]

THANJAVUR – 613403 – TAMIL NADU

APRIL, 2021

PHYTO-POLYPHENOLS ACT AS A POTENTIAL INHBITOR OF BREAST CANCER THROUGH THE PROLIFERATION AND INVASION OF ANGIOGENISIS STUDIES

A dissertation submitted partial fulfilment of the requirements for the award of the degree of

BACHELOR OF SCIENCE

IN

BIOCHEMISTRY

By

ADHITHYA. K

(Reg. No: 1802PC1002)

DEPARTMENT OF BIOCHEMISTRY

PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE AND TECHNOLOGY [PRIST]

THANJAVUR, VALLAM - 613-403

APRIL 2021

"PROLIFERATION, INVASION, ANGIOGENESIS DETERMINATION ON PHOTO- POLYPHENOLS USING BREAST CANCER CELL LINES THROUGH MITOCHONDRIA TRANSMEMBRANE POTENTIAL STUDIES"

A dissertation submitted in partial fulfilled of the requirements for the award of the degree of

BACHELOR OF SCIENCE

In

MICROBIOLOGY

By

R.SADHANA

(reg no : 1802MB1002)

DEPARTMENT OF MICROBIOLOGY

PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TECHNOLOGY(PRIST)

(Institution deemed to be university – U/S 3 of UGC act,1946)

Vallam, Thanjavur- 613 403, Tamil Nadu , India

GLUCOSE OXIDASE PRODUCTION FROM MARINE ASPERGILLUS NIGER

A Dissertation submitted in partial fulfilled of the requirement for the award of the Degree of

MASTER OF SCIENCE

In

MICROBIOLOGY

By

R. ABIRAMI

(1901MB2003)

DEPARTMENT OF MICROBIOLOGY

SCHOOL OF ARTS AND SCIENCE

PONANAIYAH RAMAJAYAM INSTITUTE OF SCIENCE AND TECHNOLOGY

[PRIST]

THANJAVUR – 613403 – TAMILNADU

APRIL, 2021

Proliferation, Migration and invasion determine in Oral Cancer Cell line studies in 5 – Fluorouracil derivative (5 FU) through Reactive Oxygen serious assay

THESIS SUBMITTED TO THE PRIST DEEMED TO BE UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOTECHNOLOGY (2018-2021)

Submitted by

S. SNEHA

(REG NO: 1802BT1024)

Under the guidance of

Dr. Arun Kumar M.Sc., M.Phil., Ph.D

Assistant Professor

DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

Centre for Research and Development (CRD)

PRIST Deemed to be UNIVERSITY

THANJAVUR

TAMIL NADU, INDIA

APRIL- 2021

5 – Fluorouracil derivative (5 FU) inhibits proliferation, migration in Oral cancer cell lines studies though MTT assay and AO/ETBr assay

THESIS SUBMITTED TO THE PRIST DEEMED TO BE UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE
DEGREE OF BACHELOR OF SCIENCE IN
BIOTECHNOLOGY (2018-2021)

Submitted by
A.JAYASREE
(REG NO: 1802BT1035)

Under the guidance of
Dr. Arun Kumar M.Sc., M.Phil., Ph.D
Assistant Professor

DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY
Centre for Research and Development (CRD)
PRIST Deemed to be UNIVERSITY
THANJAVUR
TAMIL NADU, INDIA
APRIL- 2021