



**MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIYAMBADI**  
(A Project of Sri Marudhar Kesari Jain Trust)



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**INDUSTRIAL PROJECT 2019-20**  
**DEPARTMENT OF BIO CHEMISTRY- ( January to March 2020)**

S.NO	DEPARTMENT	REGISTER NO	STUDENT NAME	TITLE	PLACE
1	M Sc Bio Chem	31818P12001	Archana G	Phytochemical analysis and ant-viral activity of selected plants extract using fertile egg model.	Microlab, Vellore.
2	M Sc Bio Chem	31818P12002	Arthi M	Gc-ms analysis antioxidant and antimicrobial activity of plant derived essential oils	Microlab, Vellore.
3	M Sc Bio Chem	31818P12003	Ayesha Samreen M	Liquid consortium	Nutri-Science, Salem.
4	M Sc Bio Chem	31818P12004	Divya B	Preparation, characterization, antioxidant and antibacterial activity of extracts of banana flower calyx.	Sacred Heart College, Tirupattur.
5	M Sc Bio Chem	31818P12005	Ezhilarasi R	Green synthesis and characterization of antioxidant activity znO nanoparticles using beta vulgaris.	Nutri-Science, Salem.
6	M Sc Bio Chem	31818P12006	Indhumathi A	Phytochemical analysis, antioxidant, antidiabetic of prosopis juliflora kanruvellampatti extract.	Sacred Heart College, Tirupattur.

7	M Sc Bio Chem	31818P12007	Komathi P	Antibacterial, antifungal activity of boerhavia diffusa	Nutri-Science, Salem.
8	M Sc Bio Chem	31818P12008	Kowsalya G	Phytoconstituents and anti angiogenic activity of selected plant extracts using chicken chorioallantoic membrane (cam) assay.	Microlab, Vellore.
9	M Sc Bio Chem	31818P12009	Lekha V	Preparation, characteristion, antioxidant and antibacterial activity of extracts of banana pistil.	Sacred Heart College, Tirupattur.
10	M Sc Bio Chem	31818P12010	Madhumitha R	Qualitative and quantitative phytochemical analysis of aqueous extract of leucus aspera leaves.	Sacred Heart College, Tirupattur.
11	M Sc Bio Chem	31818P12011	Mythili D	Preliminary phytochemical analysis and anticancer activity of methanolic extract of glorious superba leaves.	Sacred Heart College, Tirupattur.
12	M Sc Bio Chem	31818P12012	Nandhini S	Chemoconstituents and hypolipidemic activity of indigenous plant extracts in cholesterol fed rat model.	Microlab, Vellore.
13	M Sc Bio Chem	31818P12013	Nathiya R	Phytochemical analysis of antioxidant, antidiabetic of saracaasoca.	Sacred Heart College, Tirupattur.
14	M Sc Bio Chem	31818P12014	Nuseba Kouser B	Solid consortium.	Nutri-Science, Salem.
15	M Sc Bio Chem	31818P12015	Preetha E	Bioremediation of heavy metals.	Nutri-Science, Salem.
16	M Sc Bio Chem	31818P12016	Rufeda Iram B	Development of essential oil formulation and its antimicrobial activity.	Nutri-Science, Salem.

17	M Sc Bio Chem	31818P12017	Swetha N	Antibacterial, antifungal activity of zinc oxide nanoparticles using beta vulgaris.	Nutri-Science, Salem.
18	M Sc Bio Chem	31818P12018	Tharani Kaviya M	Soil dressing of neem cake nematode activity of crop and maize.	Nutri-Science, Salem.
19	M Sc Bio Chem	31818P12019	Unaiza Usmani B S	Hypothyroidism imbalance in cardiac patients.	Shiffa Hospital, Bangalore.

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DON'T BLAME THE DARKNESS  
LIGHT A CANDLE

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### **BONAFIDE CERTIFICATE**

This is to certify that the dissertation titled “Phytochemical Analysis and Anti-Viral Activity of Selected Plant Extracts Using Fertile Egg Model.” submitted to Thiruvalluvar University by G.ARCHANA (Reg. No: 31818P12001), Marudhar Kesari Jain College for Women, Vaniyambadi-for the degree of Master of Science in Biochemistry is a bonafide record of research work carried out by her during the period from December 2019 to February 2020 under my supervision. The contents of this dissertation, in full or in parts, have not been submitted to any other Institute or University for the award of any degree, diploma, associate ship, fellowship or any similar title and that it represents entirely an independent work on the part of the candidate.



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This is to certify that the dissertation entitled **“Phytochemical Analysis, Antioxidant and Antidiabetic Properties of saraca asoca (Asoka Pattai) Extract”** submitted to Thiruvalluvar University by Mrs. R. Nathiya B.Sc. (Reg. No. 31818P12013), MarudharKesari Jain College for Women, Vaniyambadi for the Degree of **Master of Science in Biochemistry** is a Bonafide record of research work carried out by during the academic year December 2019 to February 2020 under my supervision. The contents of this dissertation, in full or in parts, have not been submitted to any other Institute or University for the award of any Degree, Diploma, Associateship, Fellowship or any similar title and that it represents entirely an independent work on the part of the candidate.

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02.03.2020

### CERTIFICATE

This is to certify that the dissertation entitled "**PRELIMINARY PHYTOCHEMICAL ANALYSIS AND ANTICANCER ACTIVITY OF METHANOLIC EXTRACT OF *Gloriosa superba* LEAVES**" submitted in partial fulfillment of the requirements for the award of the Degree of Master of Science in Biochemistry is a record of bonafide research work carried out by **Ms. D. Mythili, Reg. No: 31818P12011** II M.Sc., Biochemistry, Marudhar Kesari Jain College for Women, Vaniyambadi at Department of Biochemistry, Sacred Heart College (Autonomous), Tirupattur, under my supervision and guidance and that no part of this dissertation has been submitted for the award of any other Degree, Diploma, Fellowship or other similar titles to any candidate in any University.

  
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This is to certify that the dissertation entitled "**QUALITATIVE AND QUANTITATIVE PHYTOCHEMICAL ANALYSIS OF AQUEOUS EXTRACT OF *Leucas aspera* Leaves**" submitted in partial fulfillment of the requirements for the award of the Degree of Master of Science in Biochemistry is a record of bonafide research work carried out by **Ms. R. Madhumitha, Reg. No: 31818P12010** II M.Sc., Biochemistry, Marudhar Kesari Jain College for Women, Vaniyambadi at Department of Biochemistry, Sacred Heart College (Autonomous), Tirupattur, under my supervision and guidance and that no part of this dissertation has been submitted for the award of any other Degree, Diploma, Fellowship or other similar titles to any candidate in any University.

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This is to certify that the dissertation titled "Phytoconstituents and Anti-Angiogenic Activity of Selected Plant Extracts Using Chickenchorioallantoic Membrane (Cam) Assay." submitted to Thiruvalluvar University by **G.KOWSALYA.**, (Reg. No: No.31818P12008), Marudhar Kesari Jain College for Women, Vaniyambadi-for the degree of Master of Science in Biochemistry is a bonafide record of research work carried out by her during the period from December 2019 to February 2020 under my supervision. The contents of this dissertation, in full or in parts, have not been submitted to any other Institute or University for the award of any degree, diploma, associate ship, fellowship or any similar title and that it represents entirely an independent work on the part of the candidate.



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This is to certify that the dissertation entitled "**Phytochemical Analysis, Antioxidant and Antidiabetic Properties of *Prosopis Juliflora* (KaruvelamPattai) Extract**" submitted to Thiruvalluvar University by **Ms.A.INDHUMATHI** B.Sc. (Reg. No. **31818P12006**), MarudharKesari Jain College for Women, Vaniyambadi for the Degree of **Master of Science in Biochemistry** is a Bonafide record of research work carried out by during the academic year December 2019 to February 2020 under my supervision. The contents of this dissertation, in full or in parts, have not been submitted to any other Institute or University for the award of any Degree, Diploma, Associateship, Fellowship or any similar title and that it represents entirely an independent work on the part of the candidate.

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## CERTIFICATE

This is to certify that the dissertation titled "GREEN SYNTHESIS, CHARACTERISATION, AND ANTIOXIDANT ACTIVITY OF ZNO NANOPARTICLES " Submitted by "Miss. EZHILARASI .R ( Reg No:31818P12005 ), MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, for the degree of "MASTER OF SCIENCE IN BIOCHEMISTRY" is a record of Project work carried out by her during the academic year December 1<sup>st</sup> 2019 to February 1<sup>st</sup> 2020 under my supervision. The contents of this Dissertation, in full or in parts, have not been submitted to any other Institute or university for the award of degree, diploma, and associateship , Fellowship or any similar title and it represents entirely an independent work on the part of the Candidate.

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18<sup>th</sup> March 2020.

### **CERTIFICATE**

This is to certify that the dissertation entitled "**PREPARATION, CHARACTERIZATION, ANTIOXIDANT AND ANTIBACTERIAL ACTIVITY OF EXTRACTS OF BANANA FLOWER CALYX**" submitted in partial fulfillment of the requirements for the award of the Degree of Master of Science in Biochemistry is a record of bonafide research work carried out by **Ms. B. DIVYA, Reg. No: 31818P12004** II M.Sc., Biochemistry, Marudhar Kesari Jain College for Women, Vaniyambadiat, Biochemistry & Microbiology Laboratory, Sacred Heart College (Autonomous), Tirupattur, under my supervision and guidance and that no part of this dissertation has been submitted for the award of any other Degree, Diploma, Fellowship or other similar titles to any candidate in any University.

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This is to certify that the dissertation titled "**LIQUID MICROBICAL CONSORTIUM** " Submitted by "**Miss. M. AYESHA SAMREEN ( Reg No: 31818P12003 )**, MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, for the degree of "**MASTER OF SCIENCE IN BIOCHEMISTRY**" is a record of Project work carried out by her during the academic year December 1<sup>st</sup> 2019 to February 1<sup>st</sup> 2020 under my supervision. The contents of this Dissertation, in full or in parts, have not been submitted to any other Institute or university for the award of degree, diploma, and associateship , Fellowship or any similar title and it represents entirely an independent work on the part of the Candidate.

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This is to certify that the dissertation titled "SOIL DRESSING OF NEEM CAKE NEMATODE ACTIVITY OF CROP AND MAIZE " Submitted by "Miss. THARANIKAVIYA .M ( Reg No: 31818P12018), MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, for the degree of "MASTER OF SCIENCE IN BIOCHEMISTRY" is a record of Project work carried out by her during the academic year December 1<sup>st</sup> 2019 to February 1<sup>st</sup> 2020 under my supervision. The contents of this Dissertation, in full or in parts, have not been submitted to any other Institute or university for the award of degree, diploma, and associateship , Fellowship or any similar title and it represents entirely an independent work on the part of the Candidate.

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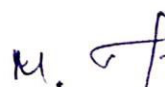
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Date : 12.03.2020

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This is to certify that the dissertation titled "ANTIBACTERIAL AND ANTIFUNGAL ACTIVITY OF ZINC OXIDE NANOPARTICLES USING BETA VULGARIS " Submitted by "Miss. SWETHA .N (Reg No:31818P12017), MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, for the degree of "MASTER OF SCIENCE IN BIOCHEMISTRY" is a record of Project work carried out by her during the academic year December 1<sup>st</sup> 2019 to February 1<sup>st</sup> 2020 under my supervision. The contents of this Dissertation, in full or in parts, have not been submitted to any other Institute or university for the award of degree, diploma, and associateship , Fellowship or any similar title and it represents entirely an independent work on the part of the Candidate.

  
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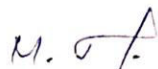
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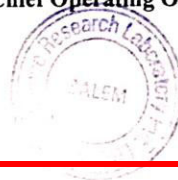
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This is to certify that the dissertation titled **“DEVELOPMENT OF ESSENTIAL OIL FORMULATION AND ITS ANTIMICROBIAL ACTIVITY”** Submitted by **“Miss. RUFEDA IRAM .B (Reg No:31818P12016 )**, MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, for the degree of **“MASTER OF SCIENCE IN BIOCHEMISTRY”** is a record of Project work carried out by her during the academic year December 1<sup>st</sup> 2019 to February 1<sup>st</sup> 2020 under my supervision. The contents of this Dissertation, in full or in parts, have not been submitted to any other Institute or university for the award of degree, diploma, and associateship , Fellowship or any similar title and it represents entirely an independent work on the part of the Candidate.

  
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This is to certify that the dissertation titled "**BIOREMIDATION OF HEAVY METALS**" Submitted by "**Miss. PREETHA.E (Reg No:31818P12015)**", MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, for the degree of "**MASTER OF SCIENCE IN BIOCHEMISTRY**" is a record of Project work carried out by her during the academic year December 1<sup>st</sup> 2019 to February 1<sup>st</sup> 2020 under my supervision. The contents of this Dissertation, in full or in parts, have not been submitted to any other Institute or university for the award of degree, diploma, and associateship, Fellowship or any similar title and it represents entirely an independent work on the part of the Candidate.

  
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