

M. Sc. Chemistry Projects List 2020 – 2021

S. No.	Name of Students	Title of M. Sc. Project
1	Bhanupriya Rahangale	Historical Background of graphene based nanocomposites: A review
2	Harshali S. Dhande	Overview of graphene-based Metal and polymer Nanocomposites: A review
3	Monu S. Katre	A review on adsorption of methylene Blue using kitchen wastes as bio- adsorbent
4	Payal C. Mate	Photosynthesis of nearly monodisperse ZnO nanospheres by using phyllanthus reticulatus plant and its antioxidant/antibacterial assays: A review
5	Rita S. Nikhare	Introduction to The Graphene-Based Nanocomposites : A review
6	Rohit S. Madankar	Introduction to The Graphene-Based Metal Polymer Nanocomposites : A review
7	Rupali K. Kathoke	Photocatalytic application of graphene-based Metal/Polymer Nanocomposites: A review
8	Sachita B. Tembhare	Photocatalytic degradation of graphene based Metal/Polymer Nanocomposites: A review
9	Shubham R. Dhandole	Application of Graphene Based metal/Polymer Nanocomposites and adsorption phenomenon : A review
10	Yogesh N. Verma	Overview of graphene-based Metal and polymer Nanocomposites: A review
11	Firdous Fatema	Antioxidant activity of graphene based Nanocomposites: A review
12	Mamta H, Bisane	Application of Graphene Based Nanocomposites : A review
13	Omprakash L. Pande	A review on adsorption of ,ethylene Blue using kitchen wastes as bio- adsorbent
14	Dipali Jaiswal	Overview of carbon-based material and Metal/Metal oxide nanocomposites: A review
15	Mayuri Khatwate	Historical Background of graphene based nanocomposites: A review
16	Mohini Dhakate	Introduction to the Activated Charcoal-Based Nanocomposites : A review
17	Neha Byoyar	Biogenic synthesis of nearly monodisperse ZnO nanospheres and its antioxidant/antibacterial assays: A review
18	Pallavi Ashtankar	Photocatalytic application of graphene-based Metal/Polymer Nanocomposites: A review

19	Payal Shende	Introduction to the Graphene-Based Metal Polymer Nanocomposites : A review
20	Pooja Chaware	A review on adsorption of Malachite Green using kitchen wastes as bio- adsorbent
21	Priya Jaunjal	Antioxidant activity of Graphene based Nanocomposites: A review
22	Rizwan Ahmad	Application of Graphene Based metal/Polymer Nanocomposites and adsorption phenomenon : A review
23	Shital Bhoyar	A review on adsorption of Rhodamine B using kitchen wastes as bio- adsorbent
24	Suharshna Somkumwar	Heterogeneous catalyst mediated organic transformations: A review
25	Switi Maske	Application of Green catalyst for organic transformations: A review
26	Trupti Wasnik	A review on green catalyst mediated multicomponent reactions.

INTRODUCTION TO THE GRAPHENE-BASED METAL/ POLYMER NANOCOMPOSITES : A Review

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

MR. ROHIT S. MADANKAR

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

**Photosynthesis of nearly monodisperse ZnO nanospheres by
using phyllanthus reticulatus plant and its
antioxidant/antibacterial assays: A Review**

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Ms. Payal C. Mate

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

**Historical Background of graphene
based nanocomposites: A review: A Review**

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Ms. Bhanupriya Rahangdale

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

Overview of graphene-based Metal and polymer Nanocomposites: A Review

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Ms. Harshali Dhande

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

A review on adsorption of methylene Blue using kitchen wastes as bio-adsorbent: A Review

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Ms. Monu Katre

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

INTRODUCTION TO THE GRAPHENE-BASED METAL/ POLYMER NANOCOMPOSITES : A Review

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

MR. RITA NIKHARE

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

**Photocatalytic application of graphene-based Metal/Polymer
Nanocomposites: A review**

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Ms. Rupali Kathoke

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

**Photocatalytic application of graphene-based Metal/Polymer
Nanocomposites: A review**

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Ms. Sachita Temhare

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

Application of Graphene Based metal/Polymer Nanocomposites and adsorption phenomenon : review

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

MR. Subham Dhandole

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

Application of Graphene Based metal/Polymer Nanocomposites and adsorption phenomenon : review

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Ms. Dipali Jaiswal

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

Overview of graphene-based Metal and polymer Nanocomposites: A review

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

MR. Yogesh Verma

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

**Antioxidant activity of graphene
based Nanocomposites: A review**

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Ms. Firdous Fatema

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

Application of Graphene Based Nanocomposites : A review

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Ms. Mamta Bisane

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

A review on adsorption of ,ethylene Blue using kitchen wastes as bio-Adsorbent

Submitted to

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

for the partial fulfilment of degree of

MASTER OF SCIENCE

In Chemistry In The Faculty Of Science And Technology

Submitted By

Mr. Omprakash Pande

M.Sc-II (SemIV)

UNDER THE GUIDANCE OF

DR. R. G. CHAUDHARY

HOD & Assistant Professor

Post Graduate Department Of Chemistry,

Seth Kesarimal Porwal College Of Science , Commerce &
Arts, Kamptee-441001



Place of Research Work

Post Graduate Department of Chemistry
Seth Kesarimal Porwal College of Arts, Science &
Commerce, Kamptee- 441001, Maharashtra

A Project Report on
ANALYSIS OF RESIDUAL SOLVENT BY GAS
CHROMATOGRAPHY

Submitted to

RASHTRASANT TUKKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

In Partial fulfillment of the Requirements for the Degree of

Master of Science In Chemistry

By

Miss. Mohini Balaji Dhakate

Under the guidance of

Dr. R. G. Chaudhary

Assistant Professor and Head

Post Graduate Department of Chemistry

Seth Kesrimal Porwal College Arts, Science & Commerce,

Kamptee-441001



Place of Research Work

**P.G. Department of Chemistry Seth Kesrimal Porwal College
of Arts, Science & Commerce, Kamptee-441001**

2020-2021

M.Sc. Dissertation List Academic Year 2020-21

Sr. No	Full Name	Mobile No.	Name of the Dissertation Topic	Supervisor Name
1	Aamena Samreen Mohd Aleem Ur Rehman	9822559515	Chitinolytic bacteria as potential source of Biocontrol	Dr. Alok Roi
2	Ankita Damdu Kaikadi	9511800289	Isolation and characterisation of microorganism in the fermented fish waste liquid foliar spray - Gunapaselam	Dr. Neha Deshattiwar
3	Ankita rajkumar Domde	7498091264	A study on antibacterial activity of freshly prepaid rose petals extracts against uropathogenic micro-organism E.coli	Dr. Alok Roi
4	Anuja K. Titarmare	8999744802	Isolation and screening of soil actinomycetes as source of antibiotics active against bacteria	Dr. Neha Deshattiwar
5	Ashwini Janardhan Dani	7821049953	Biodegradation of pesticide by using cyanobacteria.	Dr. Alok Roi
6	Ashwini Vijay Kature	8007418697	Review Study on Antiviral Activities of Disinfectants	Dr. Alok Roi
7	Bhagyashree madhukarrao zade	9022056351	Production of alcohol by fermentation of rice husk	Dr. Alok Roi
8	Harshalata Jaydeo Bagmare	8975655775	Study on Multi drug resistance Salmonella typhi	Dr. Alok Roi
9	Kiran Manikrao Pote	8329116015	Extracellular Biosynthesis Of Silver Nanoparticle From Cyanobacteria	Dr. Alok Roi
10	Komal Ganesh Luhure	9049479621	Isolation of DNase producing bacteria from soil sample	Dr. Alok Roi
11	Mamteshwari Arun Bawankule	9371065262	Biocontrol of insect pests in agriculture using chitinolytic fungi myrothecium verrucaria	Dr. Alok Roi
12	Mrunali Manohar sahare	8329764157	Bacteriological assessment of package drinking water bottle s	Dr. Alok Roi
13	NEHA S.KOCHE	7414948184	ASSESSMENT OF PHYTOCHEMICAL, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITY OF DRAGAN FRUIT(H.UNDATUS) AND BEET ROOT(B.VULGARIS).	Dr. Neha Deshattiwar
14	Nikita D. Sonule	7719962653	PGPR activity of soybean	Dr. Neha Deshattiwar
15	Rucha prakash Gajbhiye	8446396168	Estimation of phytochemical of moring oleifera and azadirachta indica leaves and study of antimicrobial activity against different organisms	Dr. Alok Roi
16	Sakshi Choudhari	8888947460	Study of Microorganisms found in onions and its importance to humans	Dr. Alok Roi
17	Sayali suresh jadhao	9766254138	Isolation identification and antimicrobial profiling activity of citrus canker	Dr. Alok Roi
18	Sarika R. Pillare	7249182970	Detection Of Multidrug Resistance In klebsiella species By Phenotypic And Genotypic Methods	Dr. Alok Roi
19	Sonal Vijay Deshmukh	9307121759	Influence of Gunapaselam, a liquid fermented fish waste on the growth characteristics of VIGNA RADIATA	Dr. Neha Deshattiwar
20	Trupti Kewalramji Babhare	8308586029	Effects of Disinfectants on Listeria monocytogene in milk and milk products s	Dr. Alok Roi

**“CHITINOLYTIC BACTERIA AS POTENTIAL
SOURCE OF BIOCONTROL”**

*Dissertation submitted in partial fulfillment of the requirement for The
degree of Master of Science in(Microbiology)*

Submitted by

Miss. AAMENA SAMREEN MOHD ALEEM UR REHMAN

Email – aamenasamreen2020@gmail.com

Under the guidance of

Dr. ALOK R. RAI, M.Sc., Ph.D.,
Assistant Professor and Head



Post Graduate Teaching Department of Microbiology

Seth Kesarimal Porwal College of Arts and Science and Commerce
Kamptee 441 001, District – Nagpur, Maharashtra, India

Session 2020-2021

**“ISOLATION AND CHARACTERIZATION OF MICROORGANISMS IN THE
FERMENTED FISH WASTE LIQUID FOLIER SPRAY – GUNAPASELAM”.**

*Dissertation submitted in partial fulfilment of the requirement for the degree
of master of science in (Microbiology)*

Submitted by

Miss. ANKITA DAMDU KAIKADI

Email - ankitakaikadi22@gmail.com

Under the guidance of

Dr. Neha Deshattiwar,
M.Sc., Ph. D.

And Co-guidance of

Dr. Shalini Chahande
Assistance professor, Department of Biochemistry



Post Graduate Teaching Department of Microbiology

Seth Kesarimal Porwal College of Arts and Science and Commerce Kamptee

441 001, District - Nagpur, Maharashtra, India

Session 2020-2021

**“A study on antibacterial activity of freshly prepaid
rose petals extracts against uropathogenic micro-
organism E.coli”**

*Dissertation submitted in partial fulfillment of the requirement for
the degree of Master of Science in(Microbiology)*

Submitted by

Miss. Ankita R. Domde

Email - ankitadomde007@gmail.com

Under the guidance of

Dr. ALOK R. RAI, M.Sc., Ph.D.,

Assistant Professor and Head



Post Graduate Reaching Department of Microbiology

Seth Kesarimal Porwal College of Arts and Science and Commerce

Kamptee 441 001, District - Nagpur, Maharashtra, India

Session 2020-2021

**“STUDY ON ANTIBACTERIAL ACTIVITY OF
ACTINOMYCETES”**

*Dissertation submitted in partial fulfillment of the requirement for
the degree of Master of Science in (Microbiology)*

Submitted By

Miss. ANUJA KRANTI TITARMARE

Email -anujatitarmare2@gmail.com

Under the guidance of

Dr. NEHA. J. DESHATTIWAR

MSc, Ph.D.



Post Graduate Teaching Department of Microbiology

Seth Kesarimal Porwal College of Arts and Science and Commerce

Kamptee 441001, District - Nagpur, Maharashtra, India

Session 2020-2021

"BIODEGRADATION OF PESTICIDE BY USING CYNOBACTERIA

*Dissertation submitted in partial fulfillment of the requirement for the degree of
Master of Science in (Microbiology)*

Submitted by

Miss. Ashwini Janardhan Dani

daniashwini12598@gmail.com

Under the guidance of



Dr. ALOK R. RAI, M.Sc., Ph.D.,

Assistant Professor and Head

Post Graduate Department of

Microbiology Seth Kesarimal Porwal College of

Arts and Science and Commerce Kamptee 441 001.

District - Nagpur, Maharashtra, India

“Review Study on Antiviral Activity of Disinfectants.”

PROJECT WORK

Desertation submitted in partial fulfillment of the requirement for the degree of Master
of Science in (Microbiology)

Submitted by

Ms. Ashwini Vijay Kature

Email – ashwinikature686@gmail.com

Under the guidance of

Dr.Alok Rai, M.Sc., Ph.D.

Assistant Professor



Post Graduate Department of Microbiology

Seth Kesarimal Porwal College of Arts and Science and Commerce

Kamptee 441 001, District - Nagpur, Maharashtra, India

Session 2019-2020

“PRODUCTION OF ALCOHOL BY FERMENTATION OF RICE HUSK ”

*Desertation submitted in partial fulfillment of the requirement for the degree of Master of Science
in(Microbiology)*

Submitted by

MISS. BHAGYASHREE MADHUKAR ZADE

Email – bhagyashreezade7@gmail.com

Under the guidance of

**Dr. ALOK R. RAI, M.Sc., Ph.D.,
Assistant Professor and Head**



Post Graduate Department of Microbiology
Seth Kesarimal Porwal College of Arts and Science and Commerce
Kamptee 441 001, District - Nagpur, Maharashtra, India

Session

2020-21

“Study on Multi drug resistance Salmonella typhi”

Desertation submitted in partial fulfillment of the requirement for the degree of Master of Science in (Microbiology)

Submitted by

Ms. Harshalata Jaydeo Bagmare

Under the guidance of

Dr. Alok R. Rai, M.Sc., Ph.D.,

Assistant Professor



Post Graduate Teaching Department of Microbiology

Seth Kesarimal Porwal College of Arts and Science and Commerce

Kamptee 441 001, District - Nagpur, Maharashtra, India

Session 2019-2020

“EXTRACELLULAR BIOSYNTHESIS OF SILVER NANOPARTICLES FROM CYANOBACTERIA”

**Dissertation submitted in partial fulfilment of the requirement for
the Degree of Master of Science in (Microbiology)**

Submitted by

MISS. KIRAN MANIKRAO POTE

Email – kiranpote1930@gmail.com

Under the guidance of

Dr. ALOK R. RAI, M.Sc., Ph.D.

Assistant Professor and Head



Post Graduate Teaching Department of Microbiology

Seth Kesarimal Porwal College of Arts and Science and Commerce

Kamptee 441 001, District - Nagpur, Maharashtra, India

Session 2020-2021

Isolation Of DNase-Producing Bacteria from Soil Sample
Dissertation submitted in partial fulfilment of the requirement for
the Degree of Master of Science in (Microbiology)

Submitted by

Miss. Komal G. Luhure

Under the guidance of

Dr. ALOK R. RAI, M.Sc., Ph.D.,

Assistant Professor and Head



Post Graduate Teaching Department of Microbiology
Seth Kesarimal Porwal College of Arts and Science and Commerce
Kamptee 441 001, District - Nagpur, Maharashtra, India

Session 2020-2021

**“BIOCONTROL OF INSECT PESTS IN AGRICULTURAL
USING CHITINOLYTIC FUNGI *MYROTHECIUM
VERRUCARIA* “**

**Dissertation Submitted In Partial Fulfillment Of The Requirement
For The Degree Of Master Of Science In (Microbiology)**

Submitted by

Miss . MAMTESHWARI ARUN BAWANKULE

Email- harshabawankule205@gmail.com

Under The Guidance Of

Dr. ALOK R. RAI., M.sc .Ph.D.

Assistant Professor and head



Post Graduate Teaching Department of Microbiology

Seth Kesrimal Porwal College of Arts and Science and commerce

Kamptee 441401, District – Nagpur , Maharashtra ,India

Session 2020 -2021

"BACTERIOLOGICAL ASSESSMENT OF PACKAGE DRINKING WATER BOTTLES"

*Dissertation submitted in partial fulfilment of the requirement
for the post graduate department of (Microbiology)*

Submitted by

Miss. MRUNALI MANOHAR SAHARE

Email - mrunalisahare33@gmail.com

Under the guidance of

Dr. ALOK R. RAI, M.Sc., Ph.D.,

Assistant Professor and Head



Post Graduate Teaching Department of Microbiology

Seih Kesarimal Porwal College of Arts and Science and Commerce

Kamptee 441 001, District - Nagpur, Maharashtra, India

Session 2020-2021

**“ASSESSMENT OF PHYTOCHEMICAL, ANTIOXIDANT AND
ANTIMICROBIAL ACTIVITY OF DRAGON FRUIT
(H.UNDATUS) AND BEET ROOT (B.VULGARIS).”**

*Dissertation submitted in partial fulfilment of the
requirement for the Degree of Master of Science in
(Microbiology)*

Submitted by

Miss. NEHA S. KOCHÉ

Email – nehakoche785@gmail.com

Under the guidance of

Dr. ALOK R. RAI, M.Sc., Ph.D.,

**Assistant Professor and Head
And Co-Guidance of**

Dr Neha Deshattiwar, M.Sc., Ph.D.,



Post Graduate Teaching Department of Microbiology
Seth Kesari Lal Porwal College of Arts and Science and Commerce
Kamptee 441 001, District - Nagpur, Maharashtra, India

Session 2020-2021

“Plant Growth Promoting Rhizobacteria”

Desertation submitted in partial fulfillment of the requirement for the degree of Master of Science in (Microbiology)

Submitted by

Ms. Nikita Dnyaneshwar Sonule

Email – nikitasonule1998@gmail.com

Under the guidance of

Dr. Neha J. Deshattiwar, M.Sc., Ph.D.,

Assistant Professor



Post Graduate Teaching Department of Microbiology

Seth Kesarimal Porwal College of Arts and Science and Commerce

Kamptee 441 001, District - Nagpur, Maharashtra, India

Session 2019-2020

ESTIMATION OF PHYTOCHEMICAL OF MORINGA OLEIFERA AND
AZADIRACHTA INDICA LEAVES AND STUDY OF ANTIMICROBIAL
ACTIVITY AGAINST DIFFERENT ORGANISM.

Submitted To

Dissertation Submitted to Rashtrasant Tukadoji Maharaj Nagpur
University in the partial fulfillment of the requirement for the degree in
M.Sc (Microbiology)

Submitted By

MISS. RUCHA P. GAJBHIYE

M. Sc Final year (Microbiology) Seth Kesrimal Porwal College, Kamptee.

Guided By

Dr. Alok R. Rai

Department Of Microbiology
Seth Kesrimal Porwal College, Kamptee.



SETH KESRIMAL PORWAL COLLEGE, KAMPTEE
'A +' GRADE ACCREDITED BY NACC R.T.M. UNIVERSITY,
NAGPUR
2020-2021

**“ Study on Microorganisms found in onions and Its
importance to human beings. ”**

***Dissertation submitted in partial fulfillment of the requirement for
the degree of Master of Science (Microbiology)***

Submitted by

Miss. Sakshi A.Choudhari

Choudhari.sakshi1997@gmail.com

**Under the guidance of
Dr. ALOK R. RAI, M.Sc., Ph.D.,
Assistant Professor and Head**



Post Graduate Teaching Department of Microbiology
Seth Kesariwal Porwal College of Arts and Science and Commerce
Kamptee 441 001, District - Nagpur, Maharashtra, India

Session 2020-2021

ANTIMICROBIAL PROFILING ACTIVITY OF CITRUS CANKER

Project submitted in partial fulfillment of the requirement for the Degree of Master of Science
Microbiology

Supervisor

Dr. Alak R. Rai.

Submitted by

Miss: Sayali Suresh Jadhao



Department of Microbiology
S. K. Porwal College, Kamptee
R.T.M Nagpur University, Nagpur
2020-2021

**“DETECTION OF MULTIDRUG RESISTANCE IN
KLEBSIELLA SPECIES BY PHENOTYPIC AND
GENOTYPIC METHODS”.**

Dissertation submitted in the partial fulfilment of the
requirement for the degree of post graduate in (microbiology)

Submitted By

MISS. SARIKA RAMKRUSHNAJI PILLARE

Email-sarikapillare123@gmail.com

Under the guidance Of

Dr. ALOK R. RAI, M.sc,ph.D,

Assistant Proffesor and Head



Post Graduate Teaching Department Of Microbiology

Seth Kesarimal Porwal College Of Arts And Science And

Commerce Kamptee -441001, District Nagpur,

Maharashtra ,India

ACADEMIC YEAR 2020-2021

**“Effect Of Fermented Fish Waste (Gunapaselam)
Application On The Soil Fertility With Special Reference
To Trace Elements And The Growth Characteristics Of
Vigna Radiata”**

*Dissertation submitted in partial fulfilment of the requirement for
the Degree of*

-:Submitted By:-

Miss. Sonal Vijay Deshmukh
sonaldeshmukh8696@gamil.com

Under the guidance of

Dr. Neha J. Deshattiwar,

M.Sc., Ph.D.

And Co-guidance of

Dr. Shalini Chahande

Assistant Professor, Department of Biochemistry



Post Graduate Teaching Department of Microbiology

Seth Kesarimal Porwal College of Arts and Science and Commerce Kamptee

441 001, District - Nagpur, Maharashtra, India

Session 2020-2021

“EFFECT OF DISINFECTANTS ON LISTERIA MONOCYTOGENES IN MILK AND MILK PRODUCTS”

Desertation submitted in partial fulfillment of the requirement for the
degree of Master of Science in (Microbiology)

Submitted by

Miss. TRUPTI KEWALRAMJI BABHARE

Email – truptibabhare@gmail.com

Under the guidance of
Dr. ALOK R. RAI, M.Sc., Ph.D.,
Assistant Professor and Head



Post Graduate Teaching Department of Microbiology
Seth Kesarimal Porwal College of Arts and Science and Commerce Kamptee 441
001, District - Nagpur, Maharashtra, India

Session 2020-2021

B. Sc. Zoology Projects List 2020 – 2021

S. No.	Name of Students	Title of Project
1	Ku. G. Radhika Rao	Site selection for pond culture
2	Ku. Afiya Saleha	Setting up and mantance of an aquarium
3	Ku. Elina Sunny	Animal pest -house fly-Musca nebulo- Damage and control
4	Ku Supriya Maddakwar	Diseases caused by Fungi,bacteria, Protozoa and Helminthes in Fishes
5	Ku.Bharati Masmare	Fish products and Byproducts
6	Ku. Ritika Shende	Lethal genes- Concepts and Consequences
7	Ku. Rupali Patil	Genetic Counselling
8	Ku. Rashi Athankar	Genetic Disorders in human being
9	Ku Prerana Lanjewar	Sickle cell anaemia and thalassemia
10	Ku Taniya Nilamwar	Mendelian Principle-Dominant and Recessive principle
11	Ku. Mohini Pawar	Cytoplasmic Inheritance
12	Mr. Deepak Bicchore	Concept of genes- Cistrons, Mutons, recons

Projects and Assignments-2020-2021

Internal assessment of students based on the performance during projects and assignments. 12 students submitted projects and assignments to the department of Zoology.

Session (online)	Sem III - 2020-2021	Page	Date	Assignment	Submitted
	Assignment	15-3-2021	15-3-2021	Test Exam A, T.H.C.	
	Seminar - S			Post Test Exam - RC	
1)	Saurabh Rahangdale		10-02-2021	Sex determination - ZZ, XY, XO, ZW Pattern.	Submitted, 10/2/2021
2)	Deepak Bichore			Concept of genes, cis and trans mutation, Recombination	Submitted, 10/2/2021
3)	Bilkusha Aiman			Sex determination	Submitted, 10/2/2021
4)	Masura Anjum			Concept of genes, Mutation, Recombination, Cis-trans	Submitted, 22/2/2021
5)	Richa Gorkha				Submitted, 14/3/2021
6)	Kajal Wanjari			Concept of genes, cis and trans mutation, Recombination	Submitted, 16/2/2021
7)	Prachi Prakash Mankar			Gene mutation	Submitted, 14-3-21
8)	Sonu Borsetwar			Lethal Genes	Submitted, 12/02/2021
9)	Shreya Sajbhare			Lethal Genes	Submitted, 12/02/2021

Genetics

Date

- 10) Rani Kargre RC - 14/02/2021
No Assignment → Test Exam I, II, III, IV
MCQ
- 11) Atharwa Maske - Test Exam
- 12) Bhagyashree Thenge - Test Exam I, II, III
MCQ
No Assignment
- 13) Kalash Meshram - Test Exam I, II, III
- 14) Rakshit Siriya - Test Exam
- 15) Kartik - Test Exam
- 16) Ritika Shende - Test Exam I, II, III, IV
Lethal genes, concept and consequences
Submitted (Rishma) 18-2-2021
(10)
- 17) Pashar wasnik - Test Exam I, II, III
Assignment 14-3-2021 →
Cytoplasmic Inheritance
- 18) Ataf Jabbar - Test Exam
Genetic disorders in Human beings
Unit II

- 28) Raashi Athankar I, II, III, IV, Test Exam, Raashi
Genetic Disorders in Human Beings 16/2/2021
- 29) Tasbeeha Fatema Test Exam II, III, IV, TACA, Submitted Hadema (10)
Genetic Disorders in Humans.
- 30) Adifa Sayeed Test Exam III
- 31) Poojana Lanjewar Test Exam III, IV 14-3-21
Sickle Cell Anaemia Assignment 14-3-2021
- 32) Taniya Nilamwar - Record MCGS: I, II, III, IV Test Issue 8-2-21
Mendelian Principles, Downham and recessive relationships, Laws. Assignment 14-3-21
- 33) Mahini Pawar - Test I, II, III, IV TACA, A Submitted (10)
Cytoplasmic Inheritance MP away 20/02/21
- 34) Varshali V. Patase 13-02-2021 (7)
Record Urmastabsum (Patase)
- 35) Shwika Bhople
- 36) Pshika Ukey Test I, II, III, IV, MCGS TACA 14/3/21
Cytoplasmic Inheritance Assignment → 7
- 37) Namra Arafat
Sakshi Rangan - Assignment, RC - 14-3-2021
- 38) Kanchan Mangate - RC - 14-3-21, Test MCGS
Disorder related to chromosomes No. 7
- 39) Seraj Almasri - 14-03-2021 (12/20/21)

Session	Sem V 2020-2021	Page	Record Check
Online	Assignment and Projects	Date	RC
1)	Kajal Yadav	-	Unit I (19-9-2020) Test Exam
2)	Pratiksha UKey	- RC	Test Exam, II III
3)	Anjali Ghogare	-	Test Exam
4)	Aditi fulzele	-	Test Exam
5)	G. Radhika Red Site selection for pond	-	Test Exam RC Project (10) 27-1-21
6)	Ruchita Urkude	-	Test Exam
7)	Afiya Saleha Setting up an aquarium	fish Project	Test Exam RC Assignment 20.2.2021 (10)
8)	Nikita Wanjari Pearl culture	-	Test Exam RC Project (10)
9)	Ritu Kadam	-	Test Exam

- 10) Uzma Tabbarum - Test Exam
Cotton spotted boll worm - *Sphinx vitella* - Lifecycle, Damage, Control.
- 11) ^{delivered} Elna Sanny Elna S - Test Exam R.C. (10)
19/11/2020 Animal Pest - House fly - *Musca domestica* - Damage and control. ^{Project} Life cycle ^{Fish}
- 12) ^{delivered} Supriya Madakwar Supriya - Test Exam R.C. (10)
9/11/2020 Disease caused by fungi, bacteria, protozoa, helminthes in fishes. ^{Project}
- 13) Sujata Ukey - Test Exam I, II, III
- 14) ^{delivered} Bharti Masware - Test Exam I, II, III, IV (10)
13/11/2020 Fish Products and Byproducts. R.C. 8-2020
- 15) ^{delivered} Jayshree Lende - Test Exam I, II, III
28/11/2020 Prawn culture
- 16) Pooja Talmale - Test Exam
- 17) Afixa Sayeed - Test Exam I, II, III
- 18) Dipali Ingole - Test Exam
- ✓ Harshida Karbun - Test Exam