



B. Projects work of M.Sc. (Chemistry)

Year	Admission	Project	Percentage
2015-16	09	09	100%
2016-17	11	11	100%
2017-18	15	14	93.33%
2018-19	19	18	94.73%
2019-20	17	17	100%

Experiential Learning

1. Project Topics and Name List 2015-16

2. Project Topics and Name List 2016-17

3. Project Topics and Name List 2017-18

4. Project Topics and Name List 2018-19

5. Project Topics and Name List 2018-19

6. Project Topics and Name List 2019-20

7. Research Guidance for P.G Dr.M.O.Malpani
2016-17, 2017-18, 2018-19

7. Research Guidance for P.G Dr.P.S.Pande
2016-17, 2017-18, 2018-19

Shankarlal Khandelwal Arts, Science and Commerce College, Akola

Experiential Learning

Our college runs PG programme in M. Sc Chemistry and in this programme project work is there for Sem IV. The project gives firsthand experience to students and experiential learning in chemistry. In this project work student carry out research on the vital aspects in chemistry such as phytochemical analysis, antioxidant activity, organic synthesis, heavy metal analysis and water analysis. The project is a part of the curriculum of M.Sc. Chemistry as per Sant Gadge Baba Amravati University Amravati syllabus for M.Sc. Chemistry.

M.Sc. (Chemistry)

Semester-IV

Practical-VIII - Project Work

Time : 9 Hrs. Per Week

Marks : 100

The Students will develop utilities such as analytical spectra, simulation programmes that will supplement laboratory exercises in their subject of specialization. For this, variety of small research project designed by the teacher based on the interest of the student and capabilities should be worked out.

**SHANKARLAL KHANDELWAL ARTS SCIENCE AND COMMERCE
COLLEGE AKOLA**

Department of Chemistry

Session: - 2016-2017

MSc II year Project supervision under Dr Vivek D Mane

Sr. No.	Name of the Students	Topic of the Project
1	Ku. Radhika Raut ✓	Synthesis and antimicrobial study of the synthesize isoxazolines
2	Abdul Fawad ✓	Synthesis of derivatives of the pyrazolines and their physicochemical investigation
3	Shikh Azim ✓	Synthesis of pyrazoline derivatives and flavone and their physicochemical study

Total (10)


Dr V D Mane

Supervisor



Dr P S Pande

Head Dept of Chemistry
Department of Chemistry
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Akola.

Shankarlal Khandelwal Arts, Science and Commerce College Akola

Department of Chemistry

Research Projects assigned to M.Sc. Chemistry
2015-16

S.N.	Name of the student	Title of the project	Supervisor
1	Kiran Dipika Vinod Tuljapure	Study of antioxidant activities of herbal medicines	Dr. P.S.Pande
2	Mohd.Aatif Ahmed Abdul Lateef	Study of antioxidant activities of herbal medicines	Dr. P.S.Pande
3	Abdul Sajid Abdul Karim	Study of antioxidant activities of herbal medicines	Dr. P.S.Pande
4	Pratik Vidhya Narayan Kathale	Studies on phytochemical analysis	Dr. M.O.Malpani
5	Shaheed Khan Nasreen Hameed Khan	Studies on phytochemical analysis	Dr. M.O.Malpani
6	Tarique Ali Shah Rukhsana Nasreen Azmat Ali Shah	Studies on phytochemical analysis	Dr. M.O.Malpani
7	Saquib Ahmad Nuszat Mohd.Arsad	Synthesis of pyrazole and isoxazoles from chalcone	Dr. V.D. Mane
8	Mohd.Siddique Qamrunnisa Mohd.Sadique	Synthesis of pyrazole and isoxazoles from chalcone	Dr. V.D. Mane
9	Faizan Ahmad Raziya Sultana Abdul Hamid	Synthesis of pyrazole and isoxazoles from chalcone dibromide	Dr. V.D. Mane

Head, Department of Chemistry

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Department of Chemistry

Session: - 2017-2018

MSc II year Project supervision under Dr Vivek D Mane

Sr. No.	Name of the Students	Topic of the Project
1	Ku. Poonam Nirmal	Synthesis of some substituted flavones and find their antimicrobial activity and physicochemical study pH-metrically
2	Wasim Khan	Synthesis of some substituted flavones and find their antimicrobial activity and physicochemical study pH-metrically
3	Wasimmodin Nizamuddin	Phytochemical investigation of various extract of kalonji seeds and find their antioxidant activity as well as to determining antioxidant activity of honey
4	Atik Khan	Synthesis of some substituted isoxazoline from substituted chalcone and find their antimicrobial activity.
5	Tarique Khan	Phytochemical investigation of various extract of Moringa oleifera (Drumstick) pods and find their antioxidant activity.


Dr V D Mane

Supervisor


Dr P S Pande

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Total (14)

**SHANKARLAL KHANDELWAL ARTS SCIENCE AND COMMERCE
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Department of Chemistry

Session: - 2018-2019

MSc II year Project supervision under Dr Vivek D Mane

Sr. No.	Name of the Students	Topic of the Project
1	Ku. Rashmi Tiwari	Phytochemical screening and antioxidant activity of extracts of <i>azadirachtaindica</i> plant.
2	Ku. Anuradha Chopade	Physico-Chemical Investigation And Antioxidant Activity of Trigonella Foenumgraecum Plant
3	Ku. Shradhha Pote	Phytochemical Investigation And Antioxidant Activity of Asparagus Racemosus
4	Ku. Swati Chandurkar	Phytochemical Investigation And Antioxidant Activity of <i>RiCINUS CIMMUNIS LINN</i>
5	Ku. Prachi Arudkar	Qualitative and Quantitative Antioxidant Property of Herbal Medicine <i>Punarnavadi Ark And Gomutrasav</i>
6	Ku. Rupali Chitalange	Estimation of antioxidant activity of herbal medicines kanchanar ark and gomutrasav


Dr V D Mane

Supervisor


Dr P S Pande

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Shankarlal Khandelwal College

Total - 18

**SHANKARLAL KHANDELWAL ARTS SCIENCE AND COMMERCE
COLLEGE AKOLA**

Department of Chemistry

Session: - 2019-2020

MSc II year Project supervision under Dr Vivek D Mane

Sr. No.	Name of the Students	Topic of the Project
1	Sagar Kokate	Heavy metals analysis and antioxidant property present in water hyacinth of Morna river in Akola city.
2	Shetal Ingale	Determination of heavy metals contamination in some vegetable sample from the market of akola, Maharashtra.
3	Pooja Alot	Preparation of natural hair oil form natural ingredients
4	Warsha Sabale	Analysis of heavy metals present in milk and milk product
5	Ashvini Tathod	Determination of heavy metals contimanation in some vegetables samples from the market of Akola , Maharashtra state


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Total - (17)

Shankarlal Khandelwal Arts, Science and Commerce College, Akola

Department of chemistry

RESEARCH GUIDANCE FOR P. G. DISSERTATION

Session 2016-17

BY Dr. M. O. MALPANI

Sr. No.	Name of the student	Title of the P. G. Dissertation	Year
Dr. M. O. MALPANI			
1.	Aarti Masane ✓	Detection of food adulteration in food samples collected randomly in Akola region	2016-17
2. ✓	Mohammed Shakeel ✓ Mohammed Jameel	Extraction, isolation and in vitro antioxidant activity <i>Adhatoda vasica</i> leaves.	2016-17
3.	Syed Shahebaz Syed ✓ Mobin	Extraction, Isolation and In Vitro Antioxidant Activity of Butea monosperma Leaves	2016-17



Dr. P. S. Pande

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Dr. M. O. Malpani

Guide for P. G. Dissertation

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Department of chemistry

RESEARCH GUIDANCE FOR P. G. DISSERTATION: 2017-18

BY Dr. M. O. MALPANI

Sr. No.	Name of the student	Title of the P. G. Dissertation	Year
Dr. M. O. MALPANI			
1.	Mohammed Sohel ✓ Mohammed Mustafa	Detection of food adulteration in milk and milk products collected randomly in Akola region	2017-18
2.	Ku Bhagyashri R ✓ Bagde	Physico-chemical analysis of water taken randomly from Akola region	2017-18
3.	Sharique Ahmed Gulam Sabir	Detection of food adulteration in pulses and spices collected randomly in Akola region	2017-18
4.	Syed Shahejad	Physico-chemical analysis of water taken randomly from Akola region	2017-18
5.	Harshal Rakhonde ✓	Detection of food adulteration in pulses and spices collected randomly in Akola region	2017-18



Dr. P. S. Pande

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Dr. M. O. Malpani

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Department of chemistry

RESEARCH GUIDANCE FOR P. G. DISSERTATION : 2018-19

BY Dr. M. O. MALPANI

Sr. No.	Name of the student	Title of the P. G. Dissertation	Year
1.	Kishor V. Chinchole	Phytochemical screening and antioxidant activity of extracts of <i>Xanthium strumarium</i> , <i>Chrysanthemum</i> and mixture of <i>Xanthium strumarium</i> and <i>Chrysanthemum</i> plant extracts	2018-19
2.	Pravin Mahalle	Phytochemical screening and antioxidant activity of extracts of <i>Achyranthes aspera</i> , <i>Amaranthus retroflexus</i> and mixture of <i>Achyranthes aspera</i> and <i>Amaranthus retroflexus</i> plant	2018-19
3.	Shraddha S. Kapse	Phytochemical screening and antioxidant activity of extracts of <i>Ricinus communis</i> , <i>Carica papaya</i> plant and mixture of <i>Ricinus communis</i> and <i>Carica papaya</i>	2018-19
4.	Radhika Rothe	Phyico-chemical investigation and antioxidant activity of <i>Asperagus racemosus</i> and <i>Barbadensis miller</i> and mixture of <i>Asperagus racemosus</i> and <i>Barbadensis miller</i>	2018-19
5.	Durga P. Damdhar	Extraction and antioxidant activity of extracts of <i>Artemisia pallen</i> (davana) plant	2018-19
6.	Kavita S. Ambarkar	Screening and comparison of antioxidant activity of different types of milk (cow, buffalo, goat and donkey)	2018-19



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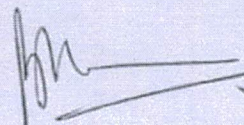
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RESEARCH GUIDANCE FOR P. G. DISSERTATION , 2016-17

BY Dr. P. S. Pande

Sr. No.	Name of the student	Title of the P. G. Dissertation	Year
1.	Mr. Nilesh S. Patil ✓	Evaluation of Antioxidant Activity of Chopchini Ark	2016-17
2.	Miss. Mayuri Ghodke ✓	Evaluation of Antioxidant Activity of MedoharArk	2016-17
3.	Miss. Aarti Patokar ✓	Estimation of Antioxidant Activity of Esab Lep Wati	2016-17
4. ✗	Mohd. Sohel Ansari ✗	Evaluation of Antioxidant Activity of Shivtrahar Lep	2016-17
5.	Miss. Ashwini Chincolkar ✓	Evaluation of Antioxidant Activity of Some Aurvedic Medicines	2016-17



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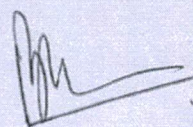
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RESEARCH GUIDANCE FOR P. G. DISSERTATION, 2017-18

BY Dr. P. S. Pande

Sr. No.	Name of the student	Title of the P. G. Dissertation	Year
1.	Mr. Pravin Ubale	Estimation of antioxidant activity of some herbal medicines	2017-18
2.	Afaque Adil Ashfaque	Evaluation of antioxidant activity of some herbal medicines	2017-18
3.	Mr. Ganesh Kharat	Study of antioxidant activity of some herbal medicines	2017-18
4.	Miss Rasika A Pande	Estimation of antioxidant activity of herbal medicines Madhu Vati and Punarnavadi Vati	2017-18



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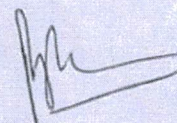
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RESEARCH GUIDANCE FOR P. G. DISSERTATION , 2018-19

BY Dr. P. S. Pande

Sr. No.	Name of the student	Title of the P. G. Dissertation	Year
1.	Miss Pooja D. Changle	Evaluation of Antioxidant Activity of Three Different Solvent Extracts of Curcuma Longa	2018-19
2.	Miss. Chaitali S. Rathod	Evaluation of Antioxidant Activity of Three Different Solvent Extracts of Carum Carvi	2018-19
3.	Miss Farhat Shadab Khan	Evaluation of Antioxidant Activity of Three Different Solvent Extracts of Black Piper	2018-19
4.	Miss Shaikh Ameer Shaikh Wazeer	Evaluation of Antioxidant Activity of Three Different Solvent Extracts of Trachyspernum Ammi	2018-19
5.	Miss. Rutuja M Kharode	Evaluation of Antioxidant Activity of Three Different Solvent Extracts of Trachyspernum Ammi	2018-19
6.	Miss. Kalyani S. Deshmukh	Evaluation of Antioxidant Activity of Three Different Solvent Extracts of Syzygium Aromaticum.	2018-19



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RESEARCH GUIDANCE FOR P. G. DISSERTATION: 2019-20

Dr. P.S. Pande

Sr. No.	Name of the student	Title of the P. G. Dissertation	Year
1.	Rutuja Khedkar	Estimation of Antioxidant activity of medicinal plant Abrus precatorius	2019-20
2.	Srihari Dhok	Cymbopogon Martinii: good source of antioxidant activity	2019-20
3.	Bharti Lasurkar	Antioxidant activity of leaf extract of Glycyrrhiza Glabra	2019-20
4.	Ankita Atkurwar	Antioxidant activity of leaf extract of Hemidesmus indicus	2019-20
5.	Sharmin Pathan	Andrographis paniulata : A good source of antioxidant activity	2019-20
6.	Sonal Gavankar	Antioxidant activity of leaf extract of Iphigenia stalluta	2019-20



Dr. P. S. Pande

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RESEARCH GUIDANCE FOR P. G. DISSERTATION: 2019-20

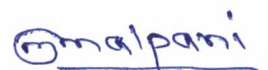
BY Dr. M. O. MALPANI

Sr. No.	Name of the student	Title of the P. G. Dissertation	Year
1.	Rohini Karode	Analysis of heavy metals in <i>Coriander</i> leaves locally collected from Akola region	2019-20
2.	Sadanand Pargharmor	Analysis of heavy metals from <i>Fenugreek</i> samples collected Locally from Akola region.	2019-20
3.	Ashvini Khumkar	Extraction and isolation of Flavonoids from the leaves of <i>Tagetes patula</i> plant.	2019-20
4.	Reshma Phate	Extraction, isolation and antioxidant activity of flavonoids from the leaves of <i>Carica papaya</i> plant	2019-20
5.	Kanchan Chandangole	Extraction, isolation and antioxidant activity of flavonoids from the leaves of <i>Hibiscus rosasinensis</i> plant	2019-20
6.	Pranita Patil	Analysis of heavy metals in <i>Spinach</i> locally collected from Akola region.	2019-20



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