**Annexure I (Table 1:3:4)**

List of Students carried out UG Project (01 month):

<table>
<thead>
<tr>
<th>S. No</th>
<th>Roll No.</th>
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<th>Name</th>
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<tr>
<td>1.</td>
<td>16-ICB-04</td>
<td>GJ - 9107</td>
<td>ARHAN ALI</td>
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<tr>
<td>2.</td>
<td>16-ICB-06</td>
<td>GJ - 5521</td>
<td>USMAN GANI</td>
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<tr>
<td>3.</td>
<td>16-ICB-08</td>
<td>GE - 8035</td>
<td>SHABEEB USMANI</td>
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<tr>
<td>4.</td>
<td>16-ICB-12</td>
<td>GJ - 5543</td>
<td>MAJID ALI</td>
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<tr>
<td>5.</td>
<td>16-ICB-15</td>
<td>GF - 1204</td>
<td>SAURABH SHARMA</td>
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<tr>
<td>6.</td>
<td>16-ICB-16</td>
<td>GG - 4903</td>
<td>NITIN KUMAR</td>
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<tr>
<td>7.</td>
<td>16-ICB-18</td>
<td>GF - 1514</td>
<td>VASU DANG</td>
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<td>8.</td>
<td>16-ICB-20</td>
<td>GJ - 5784</td>
<td>LATHUTUR RAHMAN</td>
</tr>
<tr>
<td>9.</td>
<td>16-ICB-21</td>
<td>GJ - 5669</td>
<td>ABDUL ZAMAN</td>
</tr>
<tr>
<td>10.</td>
<td>16-ICB-23</td>
<td>GH - 0441</td>
<td>SAUD AHMAD ABBASI</td>
</tr>
<tr>
<td>11.</td>
<td>16-ICB-24</td>
<td>GH - 5693</td>
<td>SAIF HASAN</td>
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<td>12.</td>
<td>16-ICB-25</td>
<td>GJ - 7273</td>
<td>ZEESHAN AHMAD</td>
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<td>13.</td>
<td>16-ICB-26</td>
<td>GH - 6459</td>
<td>HUSAN AFIN WAJID</td>
</tr>
<tr>
<td>14.</td>
<td>16-ICB-27</td>
<td>GH - 9285</td>
<td>KHUBAIB ALI KHAN</td>
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<td>15.</td>
<td>16-ICB-03</td>
<td>GF - 1082</td>
<td>MD. DANISH GHANI</td>
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<td>GI - 8870</td>
<td>MOHD. HAMZA</td>
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<td>16-ICB-404</td>
<td>GG - 5400</td>
<td>ARISH NAIM</td>
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<td>16-ICB-407</td>
<td>GI - 2047</td>
<td>PRIYA GARG</td>
</tr>
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<td>19.</td>
<td>16-ICB-413</td>
<td>GF - 1645</td>
<td>HUSN ARA CHAUHAN</td>
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<td>20.</td>
<td>16-ICB-414</td>
<td>GJ - 1716</td>
<td>GANJAL GUPTA</td>
</tr>
</tbody>
</table>

(Prof. Anees Ahmad)
Coordinator (Industrial Chemistry)
Department of Chemistry
AMU Aligarh
### Annexure II (Table 1:3:4)

List of Students Completed Industrial Internship (06 weeks):

<table>
<thead>
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<th>S.No</th>
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<td>Mohd Ariz Sulamani</td>
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<td>Mohd. Ovais Ansari</td>
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<td>Ashraf Ali</td>
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<tr>
<td>23</td>
<td>GI-5627</td>
<td>17-ICM-26</td>
<td>Md. Tanveer Mosharraf</td>
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</tbody>
</table>

(Prof. Anees Ahmad)
Coordinator (Industrial Chemistry)
Department of Chemistry
AMU Aligarh

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Annexure III (Table 1:3:4)

List of Students Completed Research Project (04 Months):

<table>
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<td>GI-3161</td>
<td>17-ICM-2</td>
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<td>23</td>
<td>GI-5627</td>
<td>17-ICM-26</td>
<td>Md. Tanveer Moshrafa</td>
</tr>
</tbody>
</table>

(Prof. Anees Ahmad)  
Coordinator(Industrial Chemistry)  
Department of Chemistry  
AMU Aligarh
A PROJECT REPORT
ON LIQUID FUELS FROM PLASTIC WASTE

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

Bachelor of Science
In
Industrial Chemistry

BY
ARHAN ALI
16-ICB-04
GI 9107

UNDER THE SUPERVISION OF
Er. WASI UR RAHMAN

DEPARTMENT OF CHEMISTRY
ALIGARH MUSLIM UNIVERSITY
ALIGARH
2018-2019

[Signature]
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

This is to certify that the project entitled, "ANTI-CANCER DRUGS TO CURE LUNG CANCER" has been prepared by USMAN GHANI B.Sc (F) Industrial Chemistry in partial fulfilment of the degree of Bachelor of Science under my supervision.

DR. SHAFIUULLAH

[Signature]

(Prof. S. Tabassum) Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

This is to certify that the project entitle "Extraction And Medicinal Uses Of Aloe Vera" has been prepared by SHABEEB USMANI B.Sc. (F) year Industrial Chemistry in partial fulfilment of the degree of Bachelor of Science under my supervision.

DR. SHAFIULLAH

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

This is to certify that the project entitle "ANTI-CANCER DRUGS TO CURE LUNG CANCER" has been prepared by MAJID ALI B.Sc (F) year Industrial Chemistry in partial fulfilment of the degree of Bachelor of Science under my supervision.

DR. SHAFIUULLAH

(Prof. S. Tabassum) Chairperson Department of Chemistry A.M.U., Aligarh
CERTIFICATE

This is to certify that the project work entitled "SEDIMENT MICROBIAL FUEL CELL" which is being submitted by Mr. SAURABH SHARMA, Roll No. 16 ICB 015, and Enrollment No. GF1204 is a student of ALIGARH MUSLIM UNIVERSITY, for the award of the degree Bachelor of Science (Hons.) in INDUSTRIAL CHEMISTRY, is a record of bonafide research work, carried out by her under my supervision. The results personified in this thesis are new and have not been submitted to any other university or institution for the award of any degree or diploma.

Date:  

DR. MOHAMMAD ZAIN KHAN  
Department of Chemistry  
Aligarh Muslim University

(Prof. S. Tahassim)  
Chairperson  
Chairperson  
Department of Chemistry  
A.M.U., Aligarh
Certificate

Certified that the project entitled, “GENERAL INFORMATION ON ANTIBIOTICS AND ITS RESISTANCE IN BACTERIA” has been prepared by Mr. NITIN KUMAR B.Sc. (F) year Industrial Chemistry in partial fulfilment of Bachelor of Science in Industrial Chemistry.

DR. SHAFIULLAH

(Department of chemistry)
Certificate

Certified that the project entitled, “STUDY OF VITAMINS IN JUICES AND NON-ALCOHOLIC BEVERAGES” has been prepared by Mr. Vasu Dang B.Sc. (F) year Industrial Chemistry in partial fulfillment of Bachelor of Science in Industrial Chemistry.

[Signature]

DR. SHAFIUULLAH

(Department of Chemistry)
Certificate

This is to certify that the project entitled, "ANTI-CANCER DRUGS TO CURE LUNG CANCER" has been prepared by LUTHFUR ROHMAN LASKAR B.Sc (F) Industrial Chemistry in partial fulfilment of the degree of Bachelor of Science under my supervision.

[Signature]

DR. SHAFIUULLAH
Certificate

This is to certify that the project "Graphene and Graphene based nano-composites" is being submitted by Abdullah Zaman, roll no. 16-ICB-021 and Enrollment no. GJ5669 student of B.Sc Industrial chemistry, Aligarh Muslim University, under my supervision and is suitable for the award of the Bachelor of Science in INDUSTRIAL CHEMISTRY.

Dr. Saima Sultana
Department of Chemistry
Aligarh Muslim University

(Prof S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
CERTIFICATE

This is to certify that the project work entitled "LIQUID FUEL FROM BIOMASS" being submitted by SAUD AHMED ABBASI student of ALIGARH MUSLIM UNIVERSITY under my supervision and is suitable for partial fulfillment for the award of bachelor's degree in INDUSTRIAL CHEMISTRY.

Wishing you a bright and successful future ahead.

(WASI UR RAHMAN)

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
CERTIFICATE

This is to certify that the project work entitled "LIQUID FUELS FROM MUNICIPAL SOLID WASTE" being submitted by SAIF HASAN student of ALIGARH MUSLIM UNIVERSITY under my supervision and is suitable for partial fulfilment for the award of bachelor’s degree in INDUSTRIAL CHEMISTRY.

Wishing you a bright and successful future ahead.

(WASI UR RAHMAN)

(Prof. S. Tabaesum) Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
CERTIFICATE

This is to certify that the project work entitled "LIQUID FUEL FROM PLASTIC WASTE" being submitted by ZEESHAN AHMED, Roll no. 16-ICB-25 and Enrolment no. GJ7273 student of B.Sc. Industrial Chemistry ALIGARH MUSLIM UNIVERSITY under my supervision and that this report is my own analysis on the topic and is suitable for the submission for the award of the Bachelor of Science in INDUSTRIAL CHEMISTRY.

Wishing you a bright and successful future ahead.

Er. Wasi Ur Rahman

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
CERTIFICATE

This is to certify that the work embodied in the project entitled "CHEMICAL AND BIOLOGICAL SYNTHESIS OF SILVER NANOPARTICLES" submitted by HASAN AFNAN WAJID in partial fulfilment of the requirements for the award of the degree of "Bachelor of Science (Industrial Chemistry)" is a record of their own effort carried out under my supervision.

Prof. Dr. Anees Ahmad

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

This is to certify that the project 'Bio-diesel production from waste fried oil' is being submitted by Khubaib Ali Khan, roll no. 16-ICB-027 and Enrollment no. GH9285 student of B.Sc Industrial chemistry, Aligarh Muslim University, under my supervision and is suitable for the award of the Bachelor of Science in INDUSTRIAL CHEMISTRY.

Dr. Anees Ahmad
Coordinator
Industrial Chemistry

Er. Wasi ur Rahman
Department of Chemistry
Aligarh Muslim University

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

This is to certify that the project entitled "ANTI-CANCER DRUGS TO CURE LUNG CANCER" has been prepared by MD DANISH GHANI B.Sc. (F) year Industrial Chemistry in partial fulfillment of the degree of Bachelor of Science under my supervision.

DR. SHAFIULLAH

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

Certified that the project entitled, "STUDY AND ANALYSIS OF PESTICIDES" has been prepared by Mr. Mohd Hamza B.Sc. (F) year Industrial Chemistry in partial fulfillment of Bachelor of Science in Industrial Chemistry.

DR. SHAFIUULLAH
(Department of Chemistry)

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
DISSERTATION
NANOCELLULOSE SYNTHESIS AND ITS APPLICATION

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR
THE AWARD OF
BACHELOR OF SCIENCE
IN
INDUSTRIAL CHEMISTRY

SUBMITTED BY:
ARISH NAIM
16-ICB-404
GG5400

UNDER SUPERVISION OF
DR. MOHAMMAD ZAIN KHAN

DEPARTMENT OF CHEMISTRY
ALIGARH MUSLIM UNIVERSITY (2018-2019)
CERTIFICATE

This is to certify that the project work entitled "SEDIMENT MICROBIAL FUEL CELL" which is being submitted by Ms. PRIYA GARG, Roll No. 16 ICB 407, and Enrollment No. GI2047 is a student of ALIGARH MUSLIM UNIVERSITY, for the award of the degree Bachelor of Science (Hons.) in INDUSTRIAL CHEMISTRY, is a record of bonafide research work, carried out by her under my supervision. The results personified in this thesis are new and have not been submitted to any other university or institution for the award of any degree or diploma.

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

Date: 08/05/2019

DR. MOHAMMAD ZAIN KHAN
Chairperson
Department of Chemistry
Aligarh Muslim University
CERTIFICATE

This is to certify that the work embodied in the project entitled "GREEN SYNTHESIS OF SILICA NANOPARTICLES FROM RICE HUSK" submitted by Husn Ara Chauhan in partial fulfilment of the requirements for the award of the degree of "Bachelor of Science (Industrial Chemistry)" is a record of their own effort carried out under my supervision.

Prof. Dr. Anees Ahmad

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh
Dissertation
NanoCellulose Synthesis and Its Application

Submitted in partial fulfilment of the requirement for the award of Bachelor of Science in Industrial Chemistry

Submitted by:
Gajal Gupta
16-ICB-414
GJ1716

Under supervision of
Dr. Mohammad Zain Khan

Department of Chemistry
Aligarh Muslim University (2018-2019)
To whomsoever it may concern

This is to certify that Km. Alisha Khan student of M. Sc. (Industrial Chemistry), Department of Chemistry, Aligarh Muslim University, Aligarh has undergone dissertation training on "Vortex Assisted Liquid-Liquid Microextraction Based on Solidification of Floating Organic Drop Combined with Quantification by Gas Chromatography Tandem Mass Spectroscopy for the Determination of Multiclass Pesticide Residue" from 19-06-2018 to 18-09-2018 under the supervision of Dr. N.G. Ansari, Scientist, Analytical Chemistry Division of the Institute.

The work should not be published, even in part without the prior written permission of the undersigned.

I wish all success in her career.

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

(Devendra Parmar)
Summer Training Report
on
Environment Management System
Yara Fertilisers India Pvt. Ltd, Babrala
Year 2018

Submitted by:
AREEBA AHMAD
M.Sc. (INDUSTRIAL CHEMISTRY)

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Date:- 27-08-2018

TRAINING CERTIFICATE

This is to certify that Mr. Mohd Nafees, M.Sc. (P) Industrial Chemistry, Enrol. No. GF 0131, student of Department of Chemistry, Aligarh Muslim University, Aligarh-202002 (India) has completed his one month Industrial Pharmaceutical training w.e.f. 25-07-2018 to 25-08-2018 in our concern.

We wish all the success in his life.

All the best

For RALSON REMEDIES PVT. LTD.

Authorised Signatory

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh
INDIAN ACADEMY OF SCIENCES
BANGALORE
SUMMER RESEARCH FELLOWSHIPS-2018

FINAL REPORT
ON COMPLETION OF 8 WEEKS OF FELLOWSHIP
(JOINING DATE: 5 June, 2018
DATE OF COMPLETION OF THE PROJECT: 30 July, 2018)

TITLED: Synthesis of Amino substituted Naphthalenediimides

SUBMITTED BY
ASTHA MATHUR
(Application Id CHES343)
UNDER THE GUIDANCE OF
Dr. Pritam Mukhopadhyay

Jawaharlal Nehru University,
New Delhi -110067
CERTIFICATE OF INDUSTRIAL TRAINING

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mohd. Ariz Salmani student of Aligarh Muslim University- UP has completed his Summer Training with our organisation from July 04, 2018 to August 02, 2018.

During the training period, he was assigned a project on “Study of the Urea Process” in the Urea Department.

Training Report:

<table>
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<td>6</td>
<td>Quality of Work</td>
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<td></td>
<td><strong>OVERALL GRADE:</strong></td>
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</table>

For evaluation, following grade is used:

- A for Excellent (80% marks and above)
- B for Good (70% to 79% marks)
- C for Average (60% to 69% marks)
- D for Poor (40% to 59% marks)
- E for Very Poor (below 49% marks)

During the Training Period, we found that he is sincere, hardworking and dedicated.

We wish his success in his future endeavours.

For Yara Fertilisers India Pvt. Ltd.

Jayati Arora
Deputy Manager –HR

Yara Fertilisers India Private Limited

<table>
<thead>
<tr>
<th>Plant Office</th>
<th>Telephone</th>
<th>Reg. Office</th>
<th>CIN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indira Gamm, Bhopal,</td>
<td>+91 (0552) 564090, 564247</td>
<td>#402, Suyog Fusion, Dhule Patil Road, Sangamnadi, Pune - 411001</td>
<td>U51490PN2011FTC139239 / 2011-2012</td>
</tr>
<tr>
<td>Uttar Pradesh-242021</td>
<td>564218</td>
<td></td>
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</tr>
</tbody>
</table>
CERTIFICATE OF INDUSTRIAL TRAINING

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mohd. Ovais Ansari student of Aligarh Muslim University- UP has completed his Summer Training with our organisation from July 04, 2018 to August 02, 2018.

During the training period, he was assigned a project on “Study of the Urea Process” in the Urea Department.

Training Report:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Attributes</th>
<th>Grade</th>
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<td>6</td>
<td>Quality of Work</td>
<td>A</td>
</tr>
<tr>
<td>OVERALL GRADE:</td>
<td></td>
<td>A</td>
</tr>
</tbody>
</table>

For evaluation, following grade is used:

A for Excellent (80% marks and above)
B for Good (70% to 79% marks)
C for Average (60% to 69% marks)
D for Poor (40% to 59% marks)
E for Very Poor (below 49% marks)

During the Training Period, we found that he is sincere, hardworking and dedicated.

We wish his success in his future endeavours.

For Yara Fertilisers India Pvt. Ltd.

Jayati Arora
Deputy Manager – HR

Yara Fertilisers India Private Limited

Plant Office
Indira Bhavan, Babrala,
Uttar Pradesh-242021
District: Sambhal India

Telephone: +91 (05836) 564090, 554247
Telefax: +91 (05835) 554218

Reg. Office
#402, Sayyid Endow
Onlie Pati Road, Sangamwadi,
Pune - 411001

CIN: US1490PN2011FTC132395
2011-2012

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

This is to certify that, the internship work on the topic of "STERILIZATION OF PALM FRUIT USING SUPERCritical CARBON DIOXIDE EXTRACTION TECHNIQUE" has been carried out by

1. Mohd. Haseen,
2. Mohd. Atif
3. Mohammad

under my supervision, in partial fulfilment of requirement of degree of Master of Science in Industrial Chemistry, from 10th of Sept., 2018 to 29th of Oct., 2018, at the School of Industrial Technology, Universiti Sains Malaysia.

Sohrab
29.10.2018

Dr. Md. Sohrab Hossain
School of Industrial Technology
Universiti Sains Malaysia

DR. MD. SOHRAB HOSSAIN
Senior Lecturer
School of Industrial Technology
Universiti Sains Malaysia
11800 Pulau Pinang, Malaysia
Date: 27-08-2018

TRAINING CERTIFICATE

This is to certify that Mr. Zulnurain Khan, M.Sc. (P) Industrial Chemistry, Enrol. No. GK 2666, student of Department of Chemistry, Aligarh Muslim University, Aligarh-202002 (India) has completed his one month Industrial Pharmaceutical training w.e.f. 25-07-2018 to 25-08-2018 in our concern.

We wish all the success in his life.

All the best

For RALSON REMEDIES PVT. LTD.

Authorized Signatory

For Ralson Remedies Pvt. L

Authorized Signatory

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

This is to certify that, the internship work on the topic of "STERILIZATION OF PALM FRUIT USING SUPERCritical CARBON DIOXIDE EXTRACTION TECHNIQUE" has been carried out by

1. Mohd. Haseen,
2. Mohd. Atif
3. Mohammad

under my supervision, in partial fulfilment of requirement of degree of Master of Science in Industrial Chemistry, from 10th of Sept., 2018 to 29th of Oct., 2018, at the School of Industrial Technology, Universiti Sains Malaysia.

Dr. Md. Sohrab Hossain
School of Industrial Technology
Universiti Sains Malaysia

DR. MD. SOHRAB HOSSAIN
Senior Lecturer
School of Industrial Technology
Universiti Sains Malaysia
11800 Pulau Pinang, Malaysia
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Abdul Wahid Husain Siddiqui S/o Mr. Khalid Nasir of Aligarh Muslim University, Aligarh Batch 2018-19 has successfully completed his industrial Internship from 30 June, 2018 to 31 July, 2018.

The project was undertaken by Mr. Santosh Pimparkar in QC Department.

The project on evaluation fulfills all the stated criteria and the student's findings are his original work.

We found him sincere, hardworking, and technically sound and result oriented.

For Cian Healthcare Pvt. Ltd.

Authorized Signatory
This is to certify that Miss. Bhawana Singh, student of M. Sc. (Industrial Chemistry) from AMU, Aligarh, has successfully carried out her work at CSIR-NEERI, Nagpur. She has completed the project entitled "DEVELOPMENT OF MATERIAL FOR FLUORIDE REMOVAL" during 1\textsuperscript{st} June, 2018 to 31\textsuperscript{st} July, 2018 under my guidance and supervision.

[Signature]

DR. TANVIR ARFIN
Scientist, EMD
CSIR-NEERI, Nagpur
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Mohd. Umair Khan S/o Mr. Mohd. Saleem Khan of Aligarh Muslim University, Aligarh Batch 2018-19 has successfully completed his industrial Internship from 30 June, 2018 to 31 July, 2018.

The project was undertaken by Mr. Santosh Pimparkar in QC Department.

The project on evaluation fulfills all the stated criteria and the student's findings are his original work.

We found him sincere, hardworking, and technically sound and result oriented.

For Cian Healthcare Pvt. Ltd.

Authorized Signatory

(Prom.S.Tabaesum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

To whomsoever it may concern

This is to certify that Mirza Talha Baig, student of M.Sc. 1st year at Aligarh Muslim University, Aligarh has undertaken the Summer Internship Training at Indian Institute of Technology, Indore on the title "Facile Synthesis of Copper based Nanostructures and their Applications in Waste-water Remediation, Explosive Degradation and Catalysis" for a period of two months from July 9, 2018 to August 29, 2018 under my supervision & guidance and obtained satisfactory results.

During the internship he was found hardworking, sincere and intelligent.

I wish him bright future and May this experience benefit him.

Dr. Shaikh M. Mobin
Associate Professor
Discipline of Chemistry
Indian Institute of Technology, Indore

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh
School of Industrial Technology
Universiti Sains Malaysia
Gelugor, Penang, Malaysia -11800

Certificate

This is to certify that, the internship work on the topic of "STERILIZATION OF PALM FRUIT USING SUPERCritical CARBON DIOXIDE EXTRACTION Technique" has been carried out by

1. Mohd. Haseen,
2. Mohd. Atif
3. Mohammad

under my supervision, in partial fulfilment of requirement of degree of Master of Science in Industrial Chemistry, from 10th of Sept., 2018 to 29th of Oct., 2018, at the School of Industrial Technology, Universiti Sains Malaysia.

Dr. Md. Sohrab Hossain
School of Industrial Technology
Universiti Sains Malaysia

DR. MD. SOHRAB HOSSAIN
Senior Lecturer
School of Industrial Technology
Universiti Sains Malaysia
11800 Pulau Pinang, Malaysia

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Date: - 27-08-2018

TRAINING CERTIFICATE

This is to certify that Mr. Faisal Khan, M.Sc. (P) Industrial Chemistry, Enrol. No. GG 4534, student of Department of Chemistry, Aligarh Muslim University, Aligarh-202002 (India) has completed his one month industrial Pharmaceutical training w.e.f. 25-07-2018 to 25-08-2018 in our concern.

We wish all the success in his life.

All the best

For RALSON REMEDIES PVT. LTD.

For Ralson Remedies Pvt. Ltd.

[Signature]

Authorised Signatory

[Signature]

Authorised Signatory

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
DETERMINATION OF MULTICLASS PESTICIDE RESIDUE IN WATER BY
ULTRASOUND - ASSISTED DISPERSIVE LIQUID- LIQUID
MICROEXTRACTION COUPLED WITH GAS CHROMATOGRAPHY
TANDEM MASS SPECTROSCOPY

Dissertation work for the
Partial Fulfillment for the degree of the
Master of Science
(Industrial Chemistry)

SUBMITTED BY
IQRA RABBI
(Department of Chemistry)
ALIGARH MUSLIM UNIVERSITY, ALIGARH

Under the Supervision of
DR. NASREEN GHAZI ANSARI, SCIENTIST
(Analytical Chemistry Laboratory)
CSIR-Indian Institute of Toxicology Research
VishvigyanBhavan, 31, Mahatma Gandhi Marg
Lucknow - 226 001. Uttar Pradesh, India
2018-2019
TRAINING CERTIFICATE

This is to certify that Mr. Shahid Kamal, M.Sc. (P) Industrial Chemistry, Enrol. No. GI 3897 Student of Department of Chemistry, Aligarh Muslim University, Aligarh-202002 (India) has completed his one month Industrial Pharmaceutical training w.e.f. 25-07-2018 to 25-08-2018 in our concern.

We wish all the success in his life.

All the best

For RALSON REMEDIES PVT. LTD.

For Ralson Remedies Pvt. Ltd

Authorised Signatory

Date:- 27-08-2018

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
CERTIFICATE

This is to certify that SHAYAN SIRAJ from Aligarh Muslim University, Aligarh has undergone summer training and completed his project work at, Indian Institute of Petroleum, Dehradun during the period of 06/06/2018 to 10/08/2018. He worked on the project “SELECTIVE HYDROGENATION OF LEVULINIC ACID TO γ-VALEROLACTONE IN AQUEOUS MEDIA OVER Rh/CNT” under my guidance and has done his work diligently and sincerely as per the stipulations of the training program.

I wish him all the success in future.

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

Dr. Ankur Bordoloi
(Scientist)
INTERNSHIP REPORT

INTERNSHIP AT: CIAN HEALTH CARE PVT LTD.

(Manufacturing & Quality Control of Tablets)

Submitted by:
ASHRAF ALI
M.Sc IIIrd (Sem.) (Industrial Chemistry)
ER NO. GK2671
ROLL NO. 2017 ICM-25

Submitted to:
(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh
TRAINING REPORT
ON
NYLON-6 AND POLYESTER
SUMMER TRAINING (20TH JUNE – 20TH JULY, 2018)
SUBMITTED BY
MD. TANVEER MOHARRAF
M.Sc. INDUSTRIAL CHEMISTRY
2017 ICM 26
ALIGARH MUSLIM UNIVERSITY, ALIGARH
UNDER THE GUIDANCE OF
MD. SAMSUDDIN ISLAM
(SCIENTIST OF POLYMER SCIENCE AND MANAGER OF PLASTIC PLANT)
SARMA PLASTIC INDUSTRY
TRAINING VENUE
DHAKA, BANGLADESH
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Mohd Atif Rao S/o Mr. Nasihat Ali Khan of Aligarh Muslim University, Aligarh Batch 2018-19 has successfully completed his industrial Internship from 30 June, 2018 to 31 July, 2018.

The project was undertaken by Mr. Santosh Pimparkar in QC Department.

The project on evaluation fulfills all the stated criteria and the student's findings are his original work.

We found him sincere, hardworking, and technically sound and result oriented.

For Cian Healthcare Pvt. Ltd.

Authorized Signatory

Date: 31 July, 2018
Ref. No.: JCT/HR/TCP/2018/07  

Date: 30.08.2018

To
Training & Placement Officer,
Aligarh Muslim University,
Aligarh-202002 U.P.

Subject: Internship Completion Certificate

Dear Sir,

This is to certify that Mr. Mohammad Atif student of M.S.c in Industrial Chemistry, bearing Roll No. GK-2668 has successfully undergone Industrial Training from 12-07-2018 to 27-08-2018 in our organization in Poly.

He was sincere and took keen interest in learning. His behavior and conduct during the training was good.

We wish him success in all his future endeavors.

For JCT Limited

Rajmohan Singh
Sr. V.P (Group HR, IR and Admin)

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

Regd. Office: Village Chohal, Distt. Hoshiarpur (Pb.)
Corporate office: 305-309 3rd Floor, Rattanlal Building, 18-Rajendra Place, New Delhi - 110006 Delhi Phone: 011-46290000 Fax: 011-28512222

Scanned by CamScanner
CERTIFICATE

This is to certify that that the work in this thesis report entitled “Essential oils and it’s uses in food” submitted by Mohammad in partial fulfillment of the requirements for the Master of Science in Industrial Chemistry Session 2017-2019 in the department of Chemistry, Aligarh Muslim University, Aligarh is an authentic work carried out by them under my supervision and guidance.

To the best of my knowledge, the matter embodied in the thesis has not been submitted to any other University/Institute for the award of any degree.

Er. Abu Mustafa khan
(Department of Chemistry)
Aligarh Muslim University
Aligarh (202002)

Prof. Ahees Ahmad
(Coordinator)
Department of Chemistry
Aligarh Muslim University
Aligarh (202002)

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
Certificate

This is to certify that the thesis entitled "Characterization of Biodegradable Foams Made from Pine & Eucalyptus Wood" submitted by AREEBA AHMAD Roll No: 2017-ICM-02 and Enroll No. GI-3161 in the partial fulfillment of the requirement for the award of degree of Master of Science in Industrial Chemistry Session 2017-2019 in the Department of Chemistry, Aligarh Muslim University is an authentic work carried out by her under my supervision and guidance.

To best of knowledge, the matter included in this thesis has not been submitted to any other University or institute for the award of any degree.

Dr. Mohammad Zain Khan  
Department of Chemistry  
Aligarh Muslim University  
Aligarh

(Prof. S. Tabassum)  
Chairperson  
Chairperson  
Department of Chemistry  
A.M.U., Aligarh
Certificate

This is certify that the project work entitled "BIODIESEL PRODUCTION FROM KARANJNA OIL USING KBr IMPREGNATED CaO AS CATALYSTS" being submitted by "Ms. Neelima Varshney" student of M.Sc Industrial Chemistry, ALIGARH MUSLIM UNIVERSITY under my supervision and that this report is her own analysis on the topic and is suitable for the submission for the award of the Master of Science in INDUSTRIAL CHEMISTRY.

Prof. Anees Ahmad
Coordinator
Industrial Chemistry Section

Er. Wasi ur Rahman
Department of Chemistry
Aligarh Muslim University

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh
DEPARTMENT OF CHEMISTRY
Aligarh Muslim University
Aligarh – 202002

Dated .................

Certificate

This is to certify that the dissertation entitled, "SYNTHESIS OF CELLULOSE NANO-CRYSTALS DRIVEN FROM POTATO PEEL WASTE AND COTTON LINEN FOR REINFORCING BIOCOMPOSITES OF BIOPLASTICS" has been completed by MOHD NAFEES under my supervision. This work is original and has been independently pursued by the candidate. It embodies some interesting observation on the subject. I permit him submit the work in partial fulfillment of the requirement of the award of the degree of Master of Science in Industrial Chemistry of Aligarh Muslim University, Aligarh.

(Prof. S. Tahassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

Dr. Mohammad Zain Khan
(Supervisor)
Certificate

This is to certify that the project work entitled "Herbs having the power to act as Pesticide" being submitted by ALISHA KHAN, Roll no. 17-ICM-01 and Enrollment no. GG-1238 student of M.Sc. INDUSTRIAL CHEMISTRY, ALIGARH MUSLIM UNIVERSITY in fulfillment of the requirements of the degree of Master of Science in Industrial Chemistry is a bonafide record of the research work carried out by her, in the Department of Chemistry, Aligarh Muslim University under my supervision and guidance.

Wishing you a bright and successful future ahead.

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

Prof. Anees Ahmad
Coordinator
Industrial chemistry
Department of chemistry
Aligarh Muslim University

Dr. Mohammad Zain Khan
Assistant Professor
Department of chemistry
Aligarh Muslim University
DEPARTMENT OF CHEMISTRY
ALIGARH MUSLIM UNIVERSITY
ALIGARH-202002

Dated: .................

Certificate

This is to certify that the work in this thesis entitled "SYNTHESIS AND CHARACTERIZATION OF BIODEGRADABLE POLYURETHANE FOAMS FROM THE LIQUIFIED EUCALYPTUS AND PINE WOODS" submitted by 'Ms. Astha Mathur' Roll No.-17ICM06 in partial fulfillment of the requirement for the award of degree of Master of Science in Industrial Chemistry Session 2017-2019 in the Department of Chemistry, Aligarh Muslim University, Aligarh is an authentic work carried out by him under my supervision and guidance.

To best of knowledge, the matter included in this thesis has not been submitted to any other university or institute for the award of any degree.

Dr. Md. Zain Khan
Assistant Professor
Department of Chemistry
Aligarh Muslim University
Aligarh

Prof. Anees Ahmad
(Coordinator)
Department of Chemistry
Aligarh Muslim University
(202002) Aligarh (202002)
CERTIFICATE

This is to certify that Mr. Mohd Atif Rao a student of M.Sc. (Industrial Chemistry), Department of Chemistry, Aligarh Muslim University, Aligarh, has completed his project on the topic entitled Production of Biodiesel from Rice Bran Oil under my supervision and guidance.

To the best of my knowledge and belief, this work is based on the literature and different lab investigations made by him and it has not been submitted in any other university or institution for the award of any degree or diploma and is suitable for the award of Master Degree of Science in Industrial Chemistry.

Prof. Anees Ahmad  
Coordinator  
Industrial Chemistry

Er. WASI UR REHMAN  
Department of Chemistry  
Aligarh Muslim University

(Prof. S. Tabassum)  
Chairperson  
Chairperson  
Department of Chemistry  
A.M.U., Aligarh
Certificate

This is to certify that the project work entitled "Biodiesel production from karanja oil using K Br impregnated Ca O as catalyst" being submitted by Ms. Bhawana Singh, student of M. Sc. Industrial Chemistry, Aligarh Muslim University under my supervision and that this report is her own analysis on the topic and is suitable for the submission for the award of the Master of Science in INDUSTRIAL CHEMISTRY.

Prof. Anees Ahmad
Coordinator
Industrial Chemistry Section

Er. Wasif Rahman
Department of Chemistry
Aligarh Muslim University

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh
DEPARTMENT OF CHEMISTRY
ALIGARH MUSLIM UNIVERSITY
ALIGARH-202002

CO-ORDINATOR
Industrial Chemistry Courses

Dated 15/05/19

CERTIFICATE

This is to certify that the project work entitled "Production of Biodiesel from Oryza sativa (Rice) Bran oil" being submitted by "Mr. Shayan Siraj", student of M. Sc. Industrial Chemistry, ALIGARH MUSLIM UNIVERSITY under my supervision and that this report is her own analysis on the topic and is suitable for the submission for the award of the Master of Science in INDUSTRIAL CHEMISTRY.

Prof. Anees Ahmad
(Coordinator)
(Department of Chemistry)
Aligarh Muslim University
Aligarh (202002)

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

Er. Wasi Ur Rahman
(Department of Chemistry)
Aligarh Muslim University
Aligarh (202002)
Certificate

This is to certify that the project work entitled "Nanocomposite Materials for Wastewater Treatment" being submitted by Mohd Ovais Ansari, Roll no. 17-ICM-08 and Enrolment no. GI3791 student of M.Sc. Industrial Chemistry ALIGARH MUSLIM UNIVERSITY in fulfillment of the requirements of the degree of Master of Science in Industrial Chemistry is a bonafide record of the research work carried out by him, in the Department of Chemistry, Aligarh Muslim University under my supervision and guidance.

Wishing you a bright and successful future ahead.

Prof. Anees Ahmad  
Coordinator  
Industrial chemistr  
Department of chemistry  
Aligarh Muslim University

(Prof. S. Tabassum)  
Chairperson  
Department of Chemistry  
A.M.U., Aligarh

Dr. Mohd Tauqeer  
Assistant Professor  
Department of chemistry  
Aligarh Muslim University
Certificate

This is to certify that the project work entitled "Aryltellurenyl Halides: Study of Uncommon Mixed Valent Species" being submitted by Mirza Talha Baig, Roll No.17ICM015 and Enrollment No.GI3841 student of M.Sc. Industrial Chemistry, Aligarh Muslim University under my supervision and this report is his own analysis on the topic and is suitable for the submission for the award of the Master of Science in Industrial Chemistry.

Wishing you a bright and successful future ahead.

Prof. Anees Ahmad
Professor
Co-ordinator, Department Of Chemistry,
Aligarh Muslim University, Aligarh.

Dr. Mohd. Tauqueer
Assistant Professor,
Department Of Chemistry,
Aligarh Muslim University, Aligarh.

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh
CERTIFICATE

This is to certify that the project entitled "Ferrocenyl substituted Tellurium ligand" submitted by Mohd. Ariz Salmani, Roll No-17ICM007 and Enrollment no. GI3818 student of M.Sc. Industrial Chemistry Aligarh Muslim University under my supervision and that this report is his own analysis on the topic and is suitable for the submission of the award of the Master of Science, Industrial Chemistry.

Wishing him a bright and successful future ahead.

Prof. Anees Ahmad
Coordinator
Industrial chemistry
Department of chemistry
Aligarh Muslim University

Dr. Mohd Tauqueer
Assistant Professor
Department of Chemistry
Aligarh Muslim University

(Prof. S. Tahaesum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh
CERTIFICATE

Date:

This is to certify that MOHD UMAIR KHAN, a student of M.Sc. (Industrial Chemistry), Department of Chemistry, Aligarh Muslim University, Aligarh, has completed his project on the topic entitled Shear Thickening Fluid under my supervision and guidance.

To the best of my knowledge and belief, this work is based on the literature and different lab investigations made by him and it has not been submitted in any other university or institution for the award of any degree or diploma and is suitable for the award of Master Degree of Science in Industrial Chemistry.

(Signed)
Chairperson
Department of Chemistry
A.M.U., Aligarh

DR. ANEES AHMAD

ER. ABU MUSTAFA KHAN
CERTIFICATE

This is to certify that Mr. Faisal khan, a student of M.Sc. (Industrial Chemistry), Department of Chemistry, Aligarh Muslim University, Aligarh, has completed his project on the topic entitled Adsorption of heavy metals ions from aqueous solution on Graphene Oxide Based Nano-composite derived from Pyrrole and Chitosan under my supervision and guidance.

To the best of my knowledge and belief, this work is based on the literature and different lab investigations made by him and it has not been submitted in any other university or institution for the award of any degree or diploma and is suitable for the award of Master Degree of Science in Industrial Chemistry.

Dated: 15 May 19

(Prof. S. Tabassum)
Chairperson
Chairperson
Department of Chemistry
A.M.U., Aligarh

Dr. Shahab A. A. Nami
CERTIFICATE

This is to certify that Mr. Shahid Kamal, a student of M.Sc. (Industrial Chemistry), Department of Chemistry, Aligarh Muslim University, Aligarh, has completed his project on the topic entitled Adsorption of Congo Red Dye from aqueous solution on Graphene Oxide Based Nanocomposite derived from Pyrrole and Chitosan under my supervision and guidance.

To the best of my knowledge and belief, this work is based on the literature and different lab investigations made by him and it has not been submitted in any other university or institution for the award of any degree or diploma and is suitable for the award of Master Degree of Science in Industrial Chemistry.

Dated: 15th May 2019

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

Dr. Shahab A. A. Nami
(Supervisor)
CERTIFICATE

Dated:

This is to certify that Mr. Mohd Haseen, a student of M.Sc. (Industrial Chemistry), Department of Chemistry, Aligarh Muslim University, Aligarh, has completed his project on the topic entitled Production of Biodiesel from Canola Oil under my supervision and guidance.

To the best of my knowledge and belief, this work is based on the literature and different lab investigations made by him and it has not been submitted in any other university or institution for the award of any degree or diploma and is suitable for the award of Master Degree of Science in Industrial Chemistry.

Dr. Anees Ahmad
Course Coordinator

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

Er. Wasi-Ur-Rahman
Supervisor
CERTIFICATE

This is to certify that Mr. Abdul Wahid Husain Siddiqui a student of M.Sc. (Industrial Chemistry), Department of Chemistry, Aligarh Muslim University, Aligarh, has completed his project on the topic entitled Production of Biodiesel from Rice Bran Oil under my supervision and guidance.

To the best of my knowledge and belief, this work is based on the literature and different lab investigations made by him and it has not been submitted in any other university or institution for the award of any degree or diploma and is suitable for the award of Master Degree of Science in Industrial Chemistry.

Prof. Anees Ahmad
Coordinator
Industrial Chemistry

(Prof. S. Tabassum)
Chairperson
Department of Chemistry
A.M.U., Aligarh

Er. WASI UR REHMAN
Department of Chemistry
Aligarh Muslim University
CERTIFICATE

Dated:

This is to certify that Mr. Mohd Atif, a student of M.Sc. (Industrial Chemistry), Department of Chemistry, Aligarh Muslim University, Aligarh, has completed his project on the topic entitled Production of Biodiesel from Canola Oil under my supervision and guidance.

To the best of my knowledge and belief, this work is based on the literature and different lab investigations made by him and it has not been submitted in any other university or institution for the award of any degree or diploma and is suitable for the award of Master Degree of Science in Industrial Chemistry.

Prof. S. Tabassum
Chairperson
Department of Chemistry
A.M.U., Aligarh

Dr. Anees Ahmad
Course Coordinator

Er. Wasi-Ur-Rahman
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CERTIFICATE

This is to certify that that the work in this thesis report entitled “Essential Oils and its uses in Pharmaceuticals” submitted by Ashraf Ali in partial fulfillment of the requirements for the Master of Science in Industrial Chemistry Session 2017-2019 in the department of Chemistry, Aligarh Muslim University, Aligarh is an authentic work carried out by them under my supervision and guidance.

To the best of my knowledge, the matter embodied in the thesis has not been submitted to any other University/Institute for the award of any degree.

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This is to certify that the work in this thesis report entitled "Application of Essential Oil in Food Industry" submitted by Mohammad Atif in partial fulfillment of the requirements for the Master of Science in Industrial Chemistry Session 2017-2019 in the department of Chemistry, Aligarh Muslim University, Aligarh is an authentic work carried out by them under my supervision and guidance.

To the best of my knowledge, the matter embodied in the thesis has not been submitted to any other University/Institute for the award of any degree.

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Dated ......................

Certificate

This is to certify that the dissertation entitled, “SYNTHESIS OF CELLULOSE NANO-CRYSTALS DRIVED FROM POTATO PEELWASTE AND COTTON LINEN FOR REINFORCING BIOCOMPOSITS OF BIOPLASTICS” has been completed by ZULNURAIN KHAN under my supervision. This work is original and has been independently pursued by the candidate. It embodies some interesting observation on the subject. I permit him submit the work in partial fulfillment of the requirement of the award of the degree of Master of Science in Industrial Chemistry of Aligarh Muslim University, Aligarh.

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Dr. Mohammad Zain Khan  
(Supervisor)
This is to certify that that the work in this thesis report entitled "Essential Oils and its uses in Pharmaceuticals" submitted by Ashraf Ali in partial fulfillment of the requirements for the Master of Science in Industrial Chemistry Session 2017-2019 in the department of Chemistry, Aligarh Muslim University, Aligarh is an authentic work carried out by them under my supervision and guidance.

To the best of my knowledge, the matter embodied in the thesis has not been submitted to any other University/Institute for the award of any degree.

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CERTIFICATE

This is to certify that the project work entitled “Production of Biodiesel from Oryza sativa (Rice) Bran oil” being submitted by “Mr. Shayan Siraj”, student of M. Sc. Industrial Chemistry, ALIGARH MUSLIM UNIVERSITY under my supervision and that this report is her own analysis on the topic and is suitable for the submission for the award of the Master of Science in INDUSTRIAL CHEMISTRY.

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This is certify that the project work entitled "BIO DIESEL PRODUCTION FROM KARANJNA OIL USING KBr IMPREGNATED CaO AS CATALYSTS" being submitted by "Ms. Neelima Varshney" student of M.Sc Industrial Chemistry, ALIGARH MUSLIM UNIVERSITY under my supervision and that this report is her own analysis on the topic and is suitable for the submission for the award of the Master of Science in INDUSTRIAL CHEMISTRY.

Prof. Anees Ahmad
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Certificate

This is to certify that the project work entitled "Biodiesel production from karanja oil using K Br impregnated Ca O as catalyst" being submitted by Ms. Bhawana Singh, student of M. Sc. Industrial Chemistry, Aligarh Muslim University under my supervision and that this report is her own analysis on the topic and is suitable for the submission for the award of the Master of Science in INDUSTRIAL CHEMISTRY.

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This is to certify that the project work entitled "HERBAL PESTICIDES - AN ALTERNATIVE TO CHEMICAL PESTICIDES" being submitted by IQRA RABBI, Roll no. 17-ICM-24 and Enrollment no. GK-2670 student of M.Sc. INDUSTRIAL CHEMISTRY, ALIGARH MUSLIM UNIVERSITY in fulfillment of the requirements of the degree of Master of Science in Industrial Chemistry is a bonafide record of the research work carried out by her, in the Department of Chemistry, Aligarh Muslim University under my supervision and guidance.

Wishing you a bright and successful future ahead.

Prof. Anees Ahmad  
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Dated ......................

Dr. Mohammad Zain Khan
(Assistant Professor)
Industrial Chemistry

Certificate

This is to certify that the project work embodied in this dissertation entitled "Commercial Production of Penicillin" is an original work, carried out by MD. Tanveer Mosharraf under my supervision and is suitable for submission for the award of M.Sc. degree in Industrial Chemistry.

[Signatures]

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