



Jaysingpur College Jaysingpur and

Anil alias Pintu Amgdum Memorial Pharmacy College, Dharangutti



Outward No. AAPM/2020/001

Date- 01.01.2020

MEMORANDUM OF UNDERSTANDING


This Memorandum of Understanding is made at Dharangutti on 1st January 2020 between Jaysingpur College, Jaysingpur and Dr. J.J.Magdum Trust's, Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti.

The multi disciplinary and multi institutional approach is necessary in the field of teaching, learning and research to enhance the quality for the said cause, Dr. Mrs. Manisha V. Kale, Head, Department of Botany, Jaysingpur College, Jaysingpur will represent Jaysingpur College, Jaysingpur henceforth will called as party I and Dr. Nitave S.A. Principal, Dr. J.J.Magdum Trust's, Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti, Jaysingpur, henceforth it will be called as party II.

The party I wish to extend its cooperation and exchange of faculty, authentication of plants and sharing of research facilities. The party II has specialized required for high quality research in crude drugs, raw materials, laboratory sharing and collaborative research on projects for pharmacy students and Teachers. In addition to that there will be faculty exchange programme in both institutes.

The faculty and students from party II will visit the party I college laboratory for academic exchange or sharing of research facilities. Party I has botanical garden, herbarium specimens with authentic floras for identification of plant drugs. Both the parties will provide the laboratory facilities free of cost or with minimum charges.

In witness where of the parties here to have executed the present Memorandum of Understanding the day & the year first here in above written.

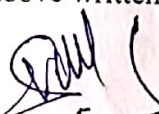

Dr. Rajendra R. Kumbhar

Authorized Signatory of

First Part



Signed by


Dr. Sachin A. Nitave

Authorized Signatory of

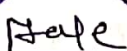
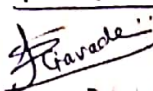
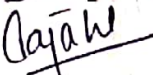
Second Part



Witness- 1. Dr. Mrs. Manisha V. Kale

2 Dr. Sandip K. Gavade

3 Mrs. V.A.Patil



Memorandum of Understanding (MOU)

The

Parties

1) Principal,

Jaysingpur College, Jaysingpur, Affiliated to Shivaji University, Kolhapur
Tal-Shirol, Dist-Kolhapur. PIN-416101

Wishes to sign MOU with,

2) Mr. Pravin Chandrakant Mali, Oasis Biocontrol Laboratory, Shirol, Dist-Kolhapur.
PIN-416103 (owner)

The multi disciplinary and multi institutional approach is necessary in the field of teaching, learning and research to enhance the quality for the said cause, Dr. Mrs. Manisha V. Kale, Head, Department of Botany, Jaysingpur College, Jaysingpur will represent Jaysingpur College, Jaysingpur henceforth will called as party I and Mr. Pravin Chandrakant Mali, Oasis Biocontrol Laboratory, Shirol henceforth it will be called as party II.

The party I wish to extend its cooperation and exchange of faculty, infrastructure and sharing of research facilities. The party II has specialized technical and marketing support for tissue culture laboratory setup, required for high quality research in raw materials, laboratory sharing and collaborative research on projects for students and farmers materials will be made available from Party I. In addition to that there will be faculty exchange programme in both laboratories. The principal of party I will allow to teachers and students to visit laboratory of party II for learning and research purpose. The travelling charges will be browned by visiting laboratory.

The faculty and students from party II will visit the party I college laboratory for academic exchange or sharing of research facilities. Party I has state of tissue culture laboratory with Laminar air flow, UV visible spectrophotometer, Centrifuge, autoclave etc. Both the parties will provide the laboratory facilities free of cost or with minimum charges.

The MOU will effect from the date of signing of both the parties and ATR and review report will be shared every year so as to increase fruitfulness of the linkage.

Date- 24.04.2019

Activity Report

2019-20

The MoU signed between Principal, Jaysingpur College, Jaysingpur and Mr. Nitave S. A. Principal, Dr. J. J. Magdum Trust's, Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti. on 18th June, 2019.

The request received from students of Pharmacy, Dr. J. J. Magdum Trust viz; Ms. V. A. Patil, Ms. M. Y. Sonalkar., Ms. M. M. Bhide, Miss A. A. Gaikwad., Miss P. P. Bhoi., Miss. P.P. Patil etc. under the guidance of Dr. M. V. Kale, Head department of Botany Jaysingpur College, Jaysingpur.

Following activities are conducted during the academic year 2019-20

- Based on microscopic examination of fresh plant materials the authentication of plant specimens has been done.
- Field work has been done in Nakshatra botanical garden of college to identify crude drugs for research purpose by these students.

Kale

Dr. Mrs. Manisha V. Kale
Head,
Department of Botany
Jaysingpur College, Jaysingpur

Activity report

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The request received from students of Pharmacy, Dr. J.J.Magdum Trust viz; Ms. Patil V.A., Ms. Sonalkar M.Y., Ms. Bhide M.M., Miss A.A.Gaikwad., Miss P.P.Bhoi., Miss Patil P.P. etc. under the guidance of Dr. M.V.Kale, , Head department of Botany Jaysingpur College, Jaysingpur.

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Dr. Mrs. Manisha V. Kale
Head department of Botany
Jaysingpur College, Jaysingpur.

Dr. Sachin A.Nitave
Authorized Signatory of
Second Part

Activity report

2019-20

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Head department of Botany
Jaysingpur College, Jaysingpur.

Dr. Sachin A.Nitave
Authorized Signatory of
Second Part



Dr. J. J. MAGDUM TRUST'S

Outward No. : AAPM/2018/257

Date: 15.12.2018
By Hand

To,

The Principal
Jaysingpur College,
Jaysingpur.

Subject: - Regarding Authentication.

Respected Sir / Madam,

Following staff of Dr. J. J. Magdum Trust's, Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti, Tal-Shirol, Dist-Kolhapur, going to do research by using following crude drugs.

Sr. No.	Botanical Name	Marathi Name	Part Used	Name of Researcher
1	Momordica charantia L.	कारले	Fruit	Mr. Nitave S. A.
2	Citrus limetta Risso	मोसंबी	Peel	
3	Adhatoda vasica	आडुळसा	Leaves	
4	Curcuma aromatica Salisb.	आचे हाळद	Rhizome	Ms. Patil V. A.
5	Psidium guajava L.	पेरु	Leaves	
6	Luffa acutangula(L.) Roxb.	दोडका	Leaves	
7	Aegle marmelos (L.) Correa	बेल	Leaves	Ms. Bhide M. M.
8	Saraca asoca (Roxb.) Wild	अरोका	Bark	
9	Carica papaya L.	पपई	Leaves	
10	Moringa oleifera Lam.	शेवगा	Leaves	Ms. Sonalkar M. Y.
11	Hibiscus rosa-sinesis L.	जारखद	Leaves	
12	Piper betel L.	खाऊचे पान	Leaves	

So it is our sincere request to do the needful regarding authentication of the above crud drugs.

3) Justicia adhatoda L.

Thanking you,

3

Yours Faithfully,

Mr. Nitave S. A.

Principal

Dr. J.J. Magdum Trust's
Anil Alias Pintu Magdum Memorial
Pharmacy College, Dharangutti



221974

Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti.

■ D.T.E. CODE - 6494 (Approved by State Govt., A.I.C.T.E., P.C.I., D.T.E. & Affiliated to MSBTE.) ■ M.S.B.T.E. CODE - 0635

Gat No. 345/2 B, Shirol-Kolhapur Bypass Road, Tal. : Shirol, Dist. : Kolhapur (Maharashtra) Pin Code - 416101.

Phone & Fax : 02322-221929

■ Email : aapmpharmacy@gmail.com ■ Website : www.aapmpharmacy.com

ole

Dr. Mrs. Manisha V. Kale
Associate Professor
Department of Botany
Jaysingpur College Jaysingpur,
Mobile- 9730009918
Date- 18-12-2018

Ref. No - AAPM/2018/257
Dated - 15/12/18

PLANT AUTHENTICATION CERTIFICATE

Based upon macroscopic examination of fresh sample, it is certified that the specimen given by Ms. Patil V.A., student of Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti is identified as below:

1 Binomial: *Curcuma aromatica* Salisb.

Family : Zingiberaceae

Regional name: Marathi-Amba halad

Part used: Rhizome

2 Binomial: *Psidium guyava* L.

Family : Myrtaceae

Regional name: Marathi- Peru

Part used: Leaves

3 Binomial: *Luffa actangula* (L.) Roxb.

Family : Cucurbitaceae

Regional name: Marathi- Dodka

Part used: Leaves

References: 1 Flora of Bombay by Theodore Cooke, C.I.E.

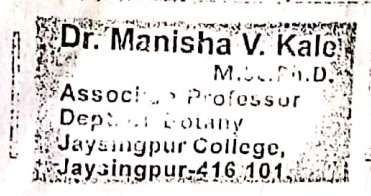
2 Flora of Kolhapur by S.R.Yadav & Sardesai, S.U.Kolhapur

Date: 18/12/2018

Smallam. J.
15/12/18
(Ms. Somalkar m.j.)



Kale
(Dr. M.V.Kale)



o/c

Dr. Mrs. Manisha V. Kale
Associate Professor
Department of Botany
Jaysingpur College Jaysingpur,
Mobile- 9730009918
Date- 18-12-2018

Ref. NO - AAPM/2018/257
Dated - 15/12/18

PLANT AUTHENTICATION CERTIFICATE

Based upon macroscopic examination of fresh sample, it is certified that the specimen given by Mr. Nitave S.A. student of Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti is identified as below:

1 Binomial: *Momordica charantia* L.

Family : Cucurbitaceae

Regional name: Hindi- Karela, Marathi- Karle, Bitter gourd

Part used: Fruit

2 Binomial: *Justicia adhatoda* L.

Family : Acanthaceae

Regional name: Marathi- Adulsa

Part used: Leaves

3 Binomial: *Citrus limietta* L.

Family : Rutaceae

Regional name: Marathi- Mosambi, Sweet lime

Part used: Peel of Fruit

References: 1 Flora of Bombay by Theodore Cooke, C.I.E.

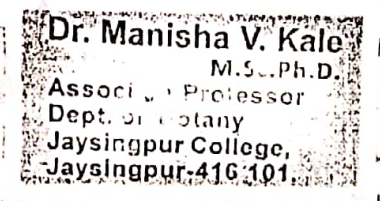
2 Flora of Kolhapur by S.R.Yadav & Sardesai, S.U.Kolhapur

Date: 18/12/2018

Received
Smallem D
15/12/18
(Mr. Sonal K. M. Y.)



Kale
(Dr. M.V. Kale)





Dr. J. J. Magdum Trust's (No. E/902)
Dr. J. J. Magdum College of Engineering, Jaysingpur.

An 'A' Grade Institution (Awarded by Govt. of Maharashtra)
Approved by A. I. C. T. E., New Delhi. Recognized by; Govt of Maharashtra (DTE)
& Affiliated To SHIVAJI UNIVERSITY, KOLHAPUR.
Gat No. 314/330, Shirol - Wadi Road, Agarbhag, JAYSINGPUR - 416101. Dist.- Kolhapur.

Ref No.:-

Date: - 7/3/2019.

To,
1) Dr. M. V. Kale
2) Mr. Gawade Sir,
Jaysingpur College,
Jaysingpur

Sub: - Regarding permission to our students to carry out study in your organization/ industry for Academic purpose (Educational requirement.) *Authentication of plants*

Respected sir,

Our educational institute imparts in Civil, Mechanical, Computer Science, Information Technology, Electronics and Electronics & communication Engineering. Shivaji University, Kolhapur has introduced subject 'Environmental Studies' at second year degree course in all faculties of Engineering. This is an important step put forward to provide adequate attention towards the study of Environment in academic programme.

As a part of curriculum of subject, field work reporting is expected from students. For this purpose, you are requested to give permission to our student to carry out their study at your organization/village.

Hoping for favorable response.

Yours faithfully,

(Signature)
06/03/2019
Subject In charge.

(Signature)
H. O. D.

(Signature)
06.3.19
Principal.

List of students

Sr.No.	Name of students	Signature
01	Ankita Anandrao Gaikwad	<i>(Signature)</i>
02	Pranali Pradip Bhoi	<i>(Signature)</i>
03	Priyanka Prakash Patil	<i>(Signature)</i>
04		
05		
06		

Tel No. : (02322) 221825, 221827
Fax No. : (02322) 221831

Chairman : (0) : 221830, (R) : 228273
Exe. Dir. : (0) : 221828, (R) : 221292

0/c

Dr. M. V. Kale
Associate Professor
Department of Botany
Jaysingpur college, Jaysingpur.
Date- 09/03/2019

Subject: Regarding the Authentication of plant specimens provided

Reference: Your letters dated on 05 March 2019

Plant Authentication Certificate

Based on the microscopic examination of fresh plant materials, it is certified that the specimen provided by ... 1) ... ~~Nemane~~ ... Bhagyashri ... Balwan ...
..... 2) ... ~~Mate~~ ... Samiksha ... Santosh ...
..... 3) ... ~~K. H. Karalkar~~ ... Paanam ... Prakash ...
is identified as below- 4) ~~Khatib Muskan Aftab~~

Botanical names

1. *Nerium indicum* Mill.
2. *Hibiscus rosa-sinensis* L.
3. *Dyopsis lutescens* (H. Wendl.) Beentje & J. Dransf.
4. *Artabotrys hexapetalus* (L. f.) Bhandari
5. *Araucaria columnaris* (J. R. Forst.) Hook.
6. *Schefflera arboricola* (Hayata) Merr.
7. *Terminalia catappa* L.
8. *Dracaena fragrans* (L.) Ker Gawl.
9. *Caesalpinia pulcherrima* (L.) Sw.
10. *Syzygium cumini* (L.) Skeels
11. *Calophyllum inophyllum* L.
12. *Bauhinia variegata* L.
13. *Adhatoda vasica* Nees
14. *Pongamia pinnata* (L.) Pierre
15. *Terminalia arjuna* (Roxb. ex DC.) Wight & Arn.
16. *Morus alba* L.
17. *Gardenia gummifera* L. f.
18. *Tradescantia spathacea* Sw.
19. *Plumbago zeylanica* L.
20. *Ruellia brittoniana* Leonard
21. *Pithecellobium dulce* (Roxb.) Benth.
22. *Hamelia patens* Jacq.
23. *Parkia biglandulosa* Wight & Arn.
24. *Codiaeum variegatum* (L.) Rumph. ex A. Juss.
25. *Bougainvillea spectabilis* Willd.

Family

- Apocynaceae Juss.
Malvaceae Juss.
Arecaceae Bercht. & J. Presl
Annonaceae Juss.
Araucariaceae Henkel
Araliaceae Juss.
Combretaceae R. Br.
Asparagaceae Juss.
Leguminosae DC.
Myrtaceae Juss.
Calophyllaceae J. Agardh
Leguminosae DC.
Acanthaceae Juss.
Leguminosae DC.
Combretaceae R. Br.
Moraceae Gaudich.
Rubiaceae Juss.
Commelinaceae Mirb.
Plumbaginaceae Juss.
Acanthaceae Juss.
Leguminosae DC.
Rubiaceae Juss.
Leguminosae DC.
Euphorbiaceae Juss.
Nyctaginaceae Juss.

References: 1. Flora of the presidency of Bombay Theodore Cook

2. Flora of Kolhapur district S. R. Yadav and M. M. Sardesai

Received
Shy
10/3/19

Kale
Head Department of Botany
Jaysingpur College, Jaysingpur

Date: 28-09-2019

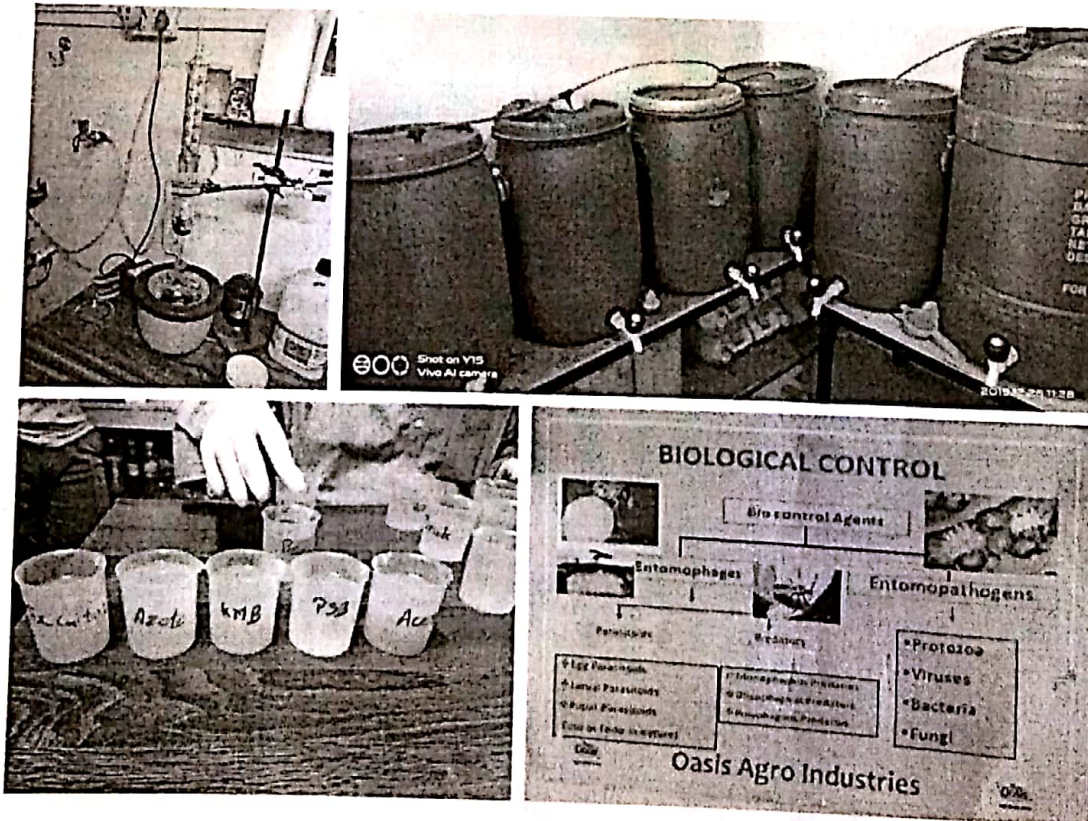
ATR & Review report

2019-20

The MoU signed between Principal, Jaysingpur College, Jaysingpur and Mr. Pravin C. Mali, Oasis Bio-control Laboratory, Shirol on 9th July, 2018.

The request received from Dr. M. V. Kale, Head department of Botany, Jaysingpur College, Jaysingpur. A meeting was held On 20th September 2020 and it was decided to arrange two day workshop for third year students to train about bio culture reagent- low cost technology, cultivation of exotic vegetables- its practices and opportunities and demonstration of fruit enzyme.

Accordingly B.Sc. III students have attended workshop on 23rd and 24th September, 2019 to share collaborative research for projects. They studied bio culture reagent- low cost technology & how to prepare fruit enzyme. Fruit enzyme also called garbage enzyme are produced from fruits peels or waste. It is a natural multi-purpose, chemical free, eco-friendly cleaner. It is biodegradable & eco-friendly alternative to harsh chemicals. Students trained about this project. Hence the report is given.



Kale
Dr. M. V. Kale
HOD, Botany Department
Jaysingpur College, Jaysingpur