



MUHS

**STANDARDIZATION OF SHIGRUPATRA (MORINGA OLEIFERA LAM) AND
COMPARATIVE INVITRO EVALUATION OF ITS ANTIBACTERIAL ACTIVITY
W.S.R TO SANGRAMKAAL"**

**DISSERTATION SUBMITTED TO MAHARASHTRA UNIVERSITY OF HEALTH
SCIENCES, NASHIK**

**FOR THE DEGREE OF
AYURVED VACHASPATI
M.D (DRAVYAGUNA VIGYAN)**

**SUBMITTED BY
VD.ANUJA VINAYAK THIGALE**

**UNDER THE GUIDANCE OF
VD.JYOTSNA V KULKARNI
ASSO.PROFESSOR**

**DEPARTMENT OF DRAVYAGUN VIGYAN
C.S.M.S.S AYURVED MAHAVIDYALAYA
AURANGABAD**

**IN
ACADEMIC YEAR 2016-2017**

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C.S.M.S.S. Ayurved Mahavidyalaya
Kanchanwadi, Aurangabad

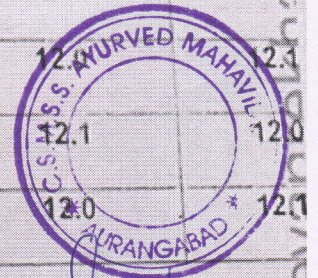


CERTIFICATE OF ANALYSIS

Date- 2018

Antibacterial analysis

Name of micro-organism	Control (ethanol)	Zone of inhibition (in mm)				
		Nimbapushpa ethanol extract Sample 1	Nimbapushpa ethanol extract Sample 2	Nimbapushpa ethanol extract Sample 3	Nimbapushpa ethanol extract Sample 4	Nimbapushpa ethanol extract Sample 5
		Day 1	Day 11	Day 21	Day 31	Day 41
S.aureus	12.0	15.1	15.9	14.1	14.1	14.1
S.aureus	12.1	15.5	15.8	14.5	14.5	14.5
S.aureus	12.1	15.1	15.8	14.1	14.1	14.1
S.aureus	12.0	15.0	15.9	14.0	14.0	14.0
S.aureus	12.1	15.6	15.8	14.6	14.6	14.6
S.aureus	12.1	15.1	15.6	14.1	14.3	14.1
S.aureus	12.1	15.2	15.8	14.5	14.5	14.5
S.aureus	12.3	15.1	15.8	14.2	14.1	14.1
S.aureus	12.0	15.0	15.9	14.0	14.0	14.2
S.aureus	12.1	15.6	15.8	14.6	14.6	14.6
Pseudomonas spp	12.0	12.0	12.0	12.0	12.0	12.0
Pseudomonas spp	12.1	12.0	12.1	12.0	12.1	12.0
Pseudomonas spp	12.0	12.0	12.0	12.0	12.0	12.0
Pseudomonas spp	12.0	12.0	12.0	12.0	12.0	12.0
Pseudomonas spp	12.1	12.1	12.1	12.1	12.0	12.1
Pseudomonas spp	12.2	12.1	12.1	12.0	12.1	12.0
Pseudomonas spp	12.1	12.0	12.1	12.0	12.1	12.0
Pseudomonas spp	12.0	12.3	12.0	12.0	12.1	12.1
Pseudomonas spp	12.1	12.0	12.2	12.0	12.0	12.0
Pseudomonas spp	12.1	12.1	12.1	12.0	12.0	12.1



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CERTIFICATE OF ANALYSIS

Phytochemical analysis

Sample name : Nimbpushpa ethanol extract

Date : 2018

Controll no : 02052017/015

Sr no	Tests	Results
2	Flavonoides	Present
4	Tannins	Present
5	Alkaloides	Absent
6	Saponins	Present
7	Terponoides	Absent
8	Reducing sugar	Present
9	Glycoside	Absent

Prepared by

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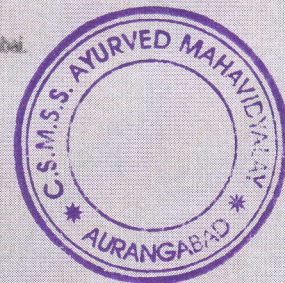
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**AN IN-VITRO STUDY TO EVALUATE *KRIMIGHNA*
(ANTIBACTERIAL) EFFECT OF *NIMBA PUSHPA*
(*Azadirachta indica* A. Juss.) ON *Staphylococcus aureus* AND
*Pseudomonas aerogenosa***

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H.O.D. AND PROFESSOR**

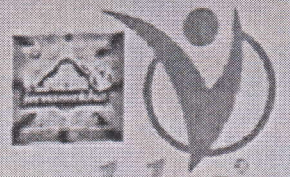
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Kanchanwadi, Aurangabad**

**IN
ACADEMIC YEAR 2016-2019**



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THIN LAYER CHROMATOGRAPHY

Sample name : Shighrupatra alcohol extract

Date : 17/08/2018

Controll no : 15032018/015

Mobile phase - Toluene : ethyl acetate (9:1)

Visualization	No. of spots	Rf value
Visible light	5	0.05
		0.18
		0.36
		0.46
		0.93
UV	4	0.05
		0.18
		0.25
		0.36

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AYURVED MAHAVIDYALAYA

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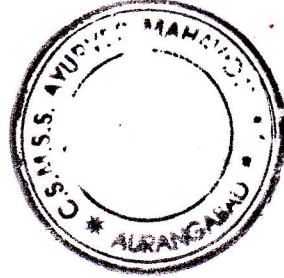
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Date: 15/02/2019

ATTENDANCE CERTIFICATE

This is to certify that, Dr. Mukund Sabnis
has present as a faculty speaker at our C.S.M.S.S. Ayurved
Mahavidyalaya, Kanchanwadi, Aurangabad to Basic Research
Methodology workshop on 15/02/2019.

Hence certified.



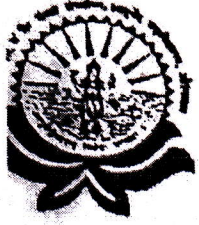
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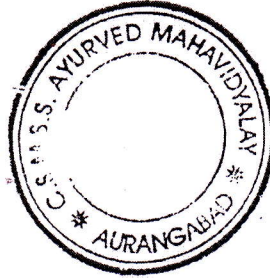
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Date: 23/01/2020

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This is to certify that, Dr. Mukund Sabnis
was present as a faculty speaker for Basic workshop in Research
Methodology on 23/01/2020 at our C.S.M.S.S. Ayurved Mahavidyalaya,
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Hence Certified.



*Received
by Sabnis*

Reshman

Principal

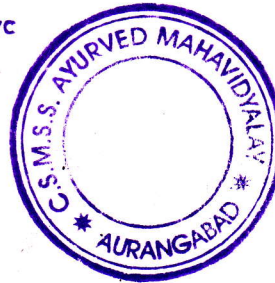
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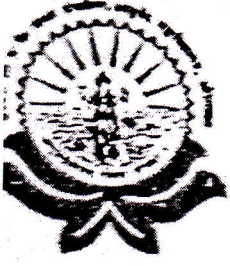
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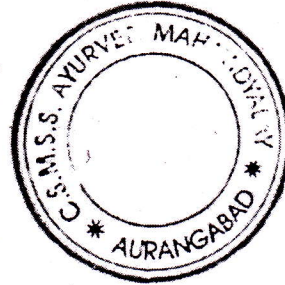
Date: 21/06/2021

ATTENDANCE CERTIFICATE

This is to certify that, Dr. mukund sabinis

was present as a faculty speaker for Basic workshop in Research Methodology on 21/06/21 at our C.S.M.S.S. Ayurved Mahavidyalaya, Kanchanwadi, Aurangabad.

Hence Certified.



[Signature]
Principal

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Kanchanwadi, Aurangabad.

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