

Sipna Shikshan Prasarak Mandal, Amravati's ARTS, SCIENCE AND COMMERCE COLLEGE



CHIKHALDARA, DISTT. AMRAVATI (Maharashtra State)
Accredited by NAAC with Grade B++ (CGPA 2.77)

DVV Clarification For

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

President

Shri, Jagdish M. Gupta

(Ex. Minster of State, Maharashtra) 0721 (O)2522341 (R) 2572526 5



SIPNA SHIKSHAN PRASARAK MANDAL'S AMRAVATI

ARTS, SCIENCE &

€ COMMERCE COLLEGE, CHIKHALDARA

 Principal Dr. Rajesh S. Jaipurkar

Distt. Amravati (Maharashtra) 444 807 NAAC Reaccredited 3rd Cycle with CGPA 2.77 at grade B++ (2018-2023)

(Mob.) 9423126066

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Outward No:

Date: 23 | 09 | 2023

DECLARATION

This is to declare that the information, photos, reports, true copies, numerical data, etc. furnished in this file as supporting documents for DVV clarification is verified by IQAC and found correct.

Dr. V.D. Kapse IOAC Coordinator

Co-ordinator IOAC

Arto Science & Commerce College,

Chikhaldara

Disti.: Amravati(M.S.)



Dr. R. S. Jaipurker Dr. R.S. Jaipunkar Arts Spicifich Sammerce College, Chikhaldara, Dist - Amravati



Sipna Shikshan Prasarak Mandal, Amravati's ARTS, SCIENCE AND COMMERCE COLLEGE



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Sipna Shikshan Prasarak Mandal, Amravati's

Arts, Science and Commerce College Chikhaldara

List of grants for research projects received during the assessment years along with the nature of the award, and the awarding agency with amount

Name of the research project/ endowment	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)
In-house Research Project	Mr. A.F.Bobade	Industrial Chemistry	2019	0.075	1 Year	Sipna Shikshan Prasarak Mandal, Amravati	Non-Government
In-house Research Project	Mr. A.F.Bobade	Industrial Chemistry	2017	0.098	2 Year	Sipna Shikshan Prasarak Mandal, Amravati	Non-Government



Dr. R. S. Jaipurkar
Principal
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Chikhaldara, Dist - Amravati

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Date		
Date	•	

Date: 01/04/2019

To,

Mr. Anil F. Boabade

Assistant Professor and Head,

Department of Industrial Chemistry.

Subject: Approval to In-House Research Project.

Dear Sir,

I am pleased to inform you that the amount of Rs. 10,000.00 (Indian Rupees Ten Thousand Only) has been approved for the in-house research project to be undertaken by you. The amount sanctioned will be paid out in accordance with the matching terms that you have proposed.

You are hereby informed to convey your acceptance up to 06/04/2019.

We look forward to receiving your progress report by at the end of academic year.

In the meantime, you have our very best wishes for continued success.



Arts Science & Commerce College, Chikhaldara, Dist - Amravati

President Shri. Jagdish M. Gupta (Ex. Minster of State, Maharashtra) 0721 (O)2522341 (R) 2572526



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Date		
Date	•	

Date: 05/12/2017

To,

Mr. Anil F. Boabade

Assistant Professor and Head,

Department of Industrial Chemistry.

Subject: Approval to In-House Research Project.

Dear Sir,

I am pleased to inform you that the amount of Rs. 10,000.00 (Indian Rupees Ten Thousand only) has been approved for the in-house research project to be undertaken by you. The amount sanctioned will be paid out in accordance with the matching terms that you have proposed.

You are hereby informed to convey your acceptance up to 10/12/2017.

We look forward to receiving your progress report by at the end of academic year.

In the meantime, you have our very best wishes for continued success.



Arts Science & Commerce Colle Chikhaidara, Dist - Amravati

Arts, Science & Commerce College, Chikhaldara

(Financial Year: 01/04/2019 To 31/03/2020)
LEDGER BOOK

Research Expenses

Page No.: 1

Ref &VI	No Narration		Debit	Credit	Balance Cr/Dr
10/03	/2020	Opening Balance			
J-2	BILL SUBMITTED BY PROBOBADE/RESEARCH EXI PROJECT		7520.00		7520.00 Dr
		Closing Balance			7,520.00 Dr
	articula de provincia de desta de la companió de la	Total Amount	7,520.00		



Acting Principal

Art, Science & Commerce College,
Chikhaldara, Dist, Amravati

Arts, Science and Commerce College, Chikhaldara.

Report of In-House Research Project (2019-2020)

Department of Industrial Chemistry

Name of In-House Research Project:- A Review On Ruta GraveolensAs Traditional Medicine Cultivated In Melghat.

Objective :-

Students do actual research work to find Secondary metabolites represent a great interest.

- 1. To inculcate research aptitude among the students.
- 2. To promote the creative thinking of the students.
- 3. To avail platform for their creations.
- 4. To isolate identify the compound plant has.
- 5. To confirm medicinal values of plant, one has to undergo investigation of

Brief summary of the In-House Research Project

A Review On Ruta Graveolens As Traditional Medicine Cultivated In Melghat.

. The family of Rutaceae contains extremely wide variety of aromatic plants, mainly in tropical regions. Among them the rich is the genus Ruta.

Collection of plant material, Preparation of plant extract, GC-MS Analysis of Ruta graveolens Chemical Composition of Ruta graveolens leaves. The various phytochemicals which contribute to the medicinal activities like antimicrobial, antifungal ,antiviral and antioxidents.. The mass spectra of all the phytochemicals identified in addition to biological activity reported to have antimicrobial, anti-inflamatory, anticancer.

Principal and Management of Arts, Science & Commerce College, Chikhaldara; Dist-Amravati(M.S.)for providing 7520/-Rs. financial assistance & laboratory facilities for the present investigation.In-house research project publishedbyAnil Bobade, Ekta Kanase,

Mayuri Charate. Completion of project was march 2020.

A. F. Bobade Abol Prolessor & H.O.D [Industrial Chamberry] Arts, Science & Commerce College. Chliqueidara

Art. Sefence & Commerce College, Ghildhaldara, Dist. Amravati

In International Journal of Innovative Science and Research Technology(GC-MS Study of Methanolic and Ethanolic Extract of Ruta graveolens Leaves.

Paper on In-House Research Project

Volume 5, Issue 3, March – 2020 International Journal of Innovative Science and Research Technology ISSN No:-2456-2165

IJISRT20MAR758 www.ijisrt.com 2010

GC-MS Study of Methanolic and Ethanolic Extract of Ruta graveolens Leaves Anil Bobadei*, Ekta Kanasei, Mayuri Charate2

Department of Industrial Chemistry

Arts, Science & Commerce College, Chikhaldara, Amravati, M.S. 444807 India

Abstract:- The family of Rutaceae content variety of aromatic compositions. The local use of Ruta Graveolens on treatment of joint pain, paralysis, nervous disorder. The drugs is useful in the disorder of kidney, urinary bladder and helps regulate the function of these organs. The herb and the oil act as stimulants, their influences being chiefly directed to the uterine and nervous system. Pharmacognestic study of crude plant leaves by methanolic and ethanolic extract of Ruta Graveolens carried out by GC-MS. Studies by GC-MS shows bioactive chemicals in methanolic and ethanolic extract azuleno[5,6b]oxiren4one; dMannose; Cyclopropanecarboxylic

acid,nonylester;2Undecanone;Stigmasta5,24(28)dien 30l,(3á,24Z). Ethanolic extract 9Octadecenoicacid (Z), L-Proline,tri(cyclopentadienyl cobalt)hexapropenylbenzene;dMannose;Cyclopropanecarboxylic acid, Molybdenum, bis

[(1,2,3,4,5\u00fc)]1,3bis(1,1dimethylethyl)24cyclopentadien1yl],di\u00e4carbonyldicarbonyldi,(momo) Keywords:- GC-MS, Soxhlet, Chemical Composition, Phytochemical, Methanolic & Ethanolic I. INTRODUCTION

The Rutaceae are family, commonly known as rue, genus Rutai family of flowering plant contain aromatic constituents. It is cultivated and grows on waste stony ground2. The Rutaceae is one of the largest plant families with approximately 150 genera and 1,500 species distributed largely in tropical and subtropical parts of the world3.A variety of plants of the family Rutaceae are used in traditional system of medicine world-wide. The most common

Chikhaldara, Dist. Amravati

Ains Professor & M.C.D (bulgestrial Chardson) Arte, Balanca & Ocenmerce College. Chlimaklara

Arts, Science & Commerce College, Chikhaldara

(Financial Year: 01/04/2017 To 31/03/2018)
LEDGER BOOK

Research Activities

Page No.: 1

Debit	Credit	Balance Cr/Dr
9890.00		9890.00Dr
		9,890.00 Dr
	9890.00	9890.00

Total Amount

9,890.00



Acting Principal

Art, Science & Commerce College,

Chikheldara, Dist. Amravati

Arts, Science and Commerce College, Chikhaldara.

Report of In-House Research Project

(2017-2018)

Department of Industrial Chemistry

Name of In-House Research Project:-A Review On Murraya Koenigii For (Agricultur)Industrial

Purpose.

Objective:- Students do actual research work to find Secondary metabolites represent a great interest.

- 1. To inculcate research aptitude among the students.
- 2. To promote the creative thinking of the students.
- 3. To avail platform for their creations.
- 4. To isolate identify the compound plant has.
- 5. To confirm medicinal values of plant, one has to undergo investigation of pharmacological activity.

Brief summary of the In-House Research Project

A Review OnMurrayaKoenigii For (Agricultur)Industrial Purpose

The curry tree *MurrayaKoenigii*is a tropical and sub-tropical in the family *Rutaceae*.. "Medicine is food and food is medicine" is the best way to describe on how the ailments were cured by using the plants during the ancient period of time. The leaves of plant are use as tonic, stomachic, carminative, internally in dysentery, vomiting. Used as anti-helminthil, analgesic, cures piles, allays heat of the body, thirst, inflammation and itching. Murrayakoenigii, commonly known as curry leaf or karipatta in Indian dialects, belonging to Family Rutaceae which represent more than 150 genera and 1600 species1. MurrayaKoenigii is a highly values plant for its characteristic aroma and medicinal value. It is an important export commondity from India as it fetches good foreign revenue. A number of chemical constituents from every part of the plant have been extracted. The basic medicinal property of these plants lies in some chemical substances.

Principal and Management of Arts, Science & Commerce College, Chikhaldara; Dist-Amravati(M.S.)for providing 10,000/-Rs. financial assistance & laboratory facilities for the present investigation.In-house research project published by Anil Bobade, Gathe Nilesh, Wankhade R, Bobade A.F, Dr.Wasnik U.S., Kadu S.R. In International Research Journal of Science and Engineering,2018;Vol. 6 (2): 77-84 http://www.irjse.in ISSN: 2322-0015 UGC Approved Journal No.

63628

Acting Fintages Art,Science & Commerce College, Chilchalders,Dist.Amravati Commerce Commerce

A. F. Bobade

And Professor & H.C.D. [Industrial Chamiery]

Arts Solidio & Commerce College.

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OPEN ACCESS

Int Res. J. of Science & Engineering, 2018, Vol. 6 (2): 77-84 ISSN: 2322-0015

http://www.irjse.in UGC Approved Journal No. 63628

RESEARCH ARTICLE

Phytochemical analysis of inevitably important plant *Murraya* Koenigii from upper platue of Chikhaldara (Melghat) India

Gathe NS¹, Wankhade RA², Bobade AF¹*, Wasnik US¹, Kadu SR²

⁴Department of Industrial chemistry, ²Department of Botany, ³Department of Chemistry, Arts, Science and Commerce College, Chikhaldara, MS. India.

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ABSTRACT

The medicinal plants are almost the exclusive source of drugs for majority of world population today. People want to use herbal drugs because they are considered as safe, mexpensive and have no adverse effects. Plants are also very useful because they can self-generate and can produce a range of beneficial broactive products. The leaves of Murrana homigit are use as tonic, stomachic, carminative, internally in dysentery, vomiting. Used as anti-helminthil, analgesic, cures piles, allays heat of the body, thirst, inflammation and itching. A scrutiny of literature reveals some notable pharmacological activities of the plant such as activity on heart, anti-diabetic and cholesterol reducing property, antimicrobial activity, anti-diarrhea activity, antioxidative property, cytotoxic activity, anti-diarrhea activity, phagocytic activity and many more medicinal values. The present study was aimed to isolate photochemical constituents from Murana Koemgu showing antioxidant properties.

Art, Science & Commerce College, Chikhaldara, Dist. Amravati Asst Profess

Asst Professor & H.O.D. [Substrial Chamic Arts, Science & Commerce College. Chikhaktara

A. F. Bobade

Asebade