



Dayanand Education Society's

DAYANAND COLLEGE OF PHARMACY

Barshi Road, Latur (Maharashtra) Pin - 413531 PH-(02382)-223299, 223199

Website: www.dayanandpharmacy.org E-mail : dayanandpharmacy@rediffmail.com


DTE CODE -2156, PCI CODE- PCI-408 principaldcop@gmail.com

- Faculty of Dayanand College of pharmacy conducted Practical Examination in various subjects in the Pharmacy of S.R.T.M. University, Nanded at Channabasveshwar Pharmacy College, Latur.
- Faculty of Dayanand College of pharmacy As a Evaluator for poster evaluation (Review and Research) for one day national conference on “Applications of Computational Chemistry in Pharmaceutical Research” of Channabasveshwar Pharmacy College, Latur. Sponsored by Indian pharmaceutical Association (IPA) Mumbai and Association of Pharmaceutical Teachers of India (APTI), Bengaluru and S.R.T.M. University, Nanded.
- Faculty of Channabasveshwar Pharmacy College, Latur conducted Practical Examination in various subjects in the Pharmacy of S.R.T.M. University, Nanded at Dayanand College of Pharmacy, Latur. Faculty Participated in National conference on Applications of computational chemistry in pharmaceutical Research on dated 18 Feb 2018.

Sr.No	Name of faculty	Present as	Academic year
1	Dr. Kranti satpute	Delegate	2016-17
2	Mr. Deshpande A.N	Poster Evaluator	2016-17
3	Mr. Sonwane S.M	Delegate	2016-17
4	Ms. Yelmate A.A	Delegate	2016-17
5	Dr. Kranti satpute	Delegate	2018-19
6	Mr. Sarda R.R	External examiner	2018-19
7	Dr. Kranti satpute	Delegate	2018-19
8	Ms. Yelmate A.A	Delegate	2018-19
9	Mr. Sonwane S.M	PhD research scholar	2020-21
10	Mr. Wadulkarr R.D	PhD research scholar	2020-21
11	Ms. Yelmate A.A	PhD research scholar	2020-21
12	Mr. Gadgul A,B	External examiner	2020-21
13	Mr. Sonwane S.M	Delegate	2020-21
14	Mr. Wadulkar R.D	Delegate	2020-21
15	Dr. Balaji Shetkar	External examiner	2021-22
16	Mr. Yogesh Kulkarni	External examiner	2021-22
17	Mr. Hindole S.S	External examiner	2021-22
18	Mr. Attar M.S	External examiner	2021-22
19	Dr.Ladde S.S	External examiner	2021-22
20	Mr. wadulkar R.D	External examiner	2022-23
21	Mr. wadulkar R.D	External examiner	2022-23
22	Mr. Gopal Lohiya	External examiner	2021-22


IQAC Co-ordinator
IQAC Co-ordinator
Dayanand College Of Pharmacy
LATUR




PRINCIPAL
Dayanand Education Society's
Dayanand College of Pharmacy
LATUR-413531

Panchakshri Shivacharya Trust's Est - 1975

Channabasweshwar Pharmacy College (Degree)
Kava Road, Basweshwar Chowk, Latur-413512 (Maharashtra)
Phone No. (02382) 240192, Fax-(02382) 243855
Email- channabasweshwar@gmail.com Website- www.cdphl.org

Approved by:- Govt. Of Maharashtra, AICTE & PCI New Delhi, Affiliated to :- S.R.T.M University Nanded.
DTE Code - 2253, University Code - 947

Ref. No: CPCL/Seminar/2018-19/ 5828

Date: 06/03/2019

To

Dr. Deshpande A. N.
Dayanand College of Pharmacy
Latur

We are pleased to invite you as evaluator for poster evaluation (Review and research) in One Day National Conference on "Applications of Computational Chemistry in Pharmaceutical Research" on 15th March, 2019 Channabasweshwar Pharmacy College (Degree), Latur, India. This Conference is supported and sponsored by Indian Pharmaceutical Association (IPA), Mumbai; Association of Pharmaceutical Teachers of India (APTI), Bengaluru and Swami Ramanand Teerth Marathwada University, Nanded.

The Conference deliberations will be on the following thematic area:

- Computer Aided Drug Design (CADD) and Delivery Systems.
- Artificial Intelligence in Pharmaceuticals
- Advances in Computational techniques in Pharmaceutical Science

Your expertise and knowledge in the area would add a great value to the scientific sense of one and all, especially the budding Pharmacist of the country who requires the guidance and path-breaking ideas to lead their way through the tough Challenges in the Pharmaceutical research on this day.

With your vast and in-depth knowledge in the area, you would be expected to evaluate the poster and select the best three posters each from review and research and give rank as per the merit performance.

We look forward to your presence and guidance.



Principal
Channabasweshwar Pharmacy College (Degree)
LATUR

ONE DAY WORKSHOP

Application & Impact of Biostatistics in Pharma Research



Organised by
Internal Quality Assurance Cell
Panchakshari Shivacharya Trust's



CHANNABASWESHWAR PHARMACY COLLEGE

Supported by Indian Pharmaceutical Association (IPA-MSB)

Certificate

This is to certify that Prof./Dr./Mr./Mrs./Ms. Yelmate Archana
Dayanand college of pharmacy, Barshi road, Latur. of

has Actively Participated in One Day Workshop on
Application & Impact of Biostatistics in Pharma Research
as a Resource Person/Delegate/Organizing Committee Member/Volunteer
held on 17th Dec. 2016 at Channabasweshwar Pharmacy College, Latur. (M.S.)
His/Her participation in the workshop is highly appreciated.



Dr. Sanjay Thonte
Convener & Principal

Dr. Omprakash Bhushure
IQAC Co-ordinator





Shri Vishweshwar Shikshan Prasarak Mandal's
SHIVLINGESHWAR COLLEGE OF PHARMACY

Almal, Tq. Ausa, Dist. Latur, Maharashtra.
Phone No.: 02383225455

Email: scop.pharmacy@gmail.com

Fax no.: 02383225522

Website: www.scopalmala.com

APPROVED BY AICTE AND PCI, NEW DELHI. AFFILIATED TO SRTMU, NANDED.

Ref. No. *SCOP/Practical/Examiner/2018-19/4905*

Date.: 03/05/2019

To,
Mr. Sarda R. R.
Department of Pharmaceutics,
Dayanand College of Pharmacy, Latur.

Subject: - Appointment as an External Examiner for Summer Practical Examination- 2019. . .

Sir,

We have pleasure to communicate that you have been appointed as an External Examiner in the B. Pharmacy Summer Practical Examination - 2019. The Details of examination are as under . . .

Sr. No.	Date	Subject	Class	Batch	Time	Internal
01	07/05/2019	Pharmaceutics-I	B. Pharm I year (I semester)	A	08 am to 12 pm	Ms. Yelam V. M. Cell:9623247550

Kindly make it convenient to attend the examination.
Thank You.

Yours Faithfully

[Signature]
Principal
Shivlingeshwar College of Pharmacy
Almal Tq Ausa Dist Latur



One Day National Conference

on

APPLICATIONS OF COMPUTATIONAL CHEMISTRY IN PHARMACEUTICAL RESEARCH

on

15th March, 2019

Sponsored & Supported By

Indian Pharmaceutical Association (IPA), Association of Pharmaceutical Teachers of India (APTI),
Swami Ramanand Teerth Marathwada University, Nanded

Organized by

Panchakshari Shivacharya Trust's

CHANNABASWESHWAR PHARMACY COLLEGE (DEGREE), LATUR

Basweshwar Chowk, Kava Road, Latur 413512 Maharashtra, India

Certificate

This certificate is awarded to Dr./Mr./Mrs./Ms. Prof. Isyanti satpute,
(Vice principal) of Dayanand college of
pharmacy, Latur.

has participated in National Conference on "Applications of Computational Chemistry in
Pharmaceutical Research" as a ~~Chair Person/Resource Person/Evaluator/
Deligate/Organizing committee Member/Volunteer~~ and Presented poster and stood
~~First/Second/Third~~ Rank in Review/Research poster held on 15th March, 2019 at
Channabasweshwar Pharmacy College (Degree), Latur. (M.S.)

Dr. Vijayendra Swamy S. M.
Principal

Prof. Dr. Bhusnure O.G.
Organizing Secretary

One Day National Conference

on
**APPLICATIONS OF COMPUTATIONAL CHEMISTRY IN
PHARMACEUTICAL RESEARCH**

on
15th March, 2019

Sponsored & Supported By

Indian Pharmaceutical Association (IPA), Association of Pharmaceutical Teachers of India (APTI),
Swami Ramanand Teerth Marathwada University, Nanded

Organized by

Panchakshari Shivacharya Trust's

CHANNABASWESHWAR PHARMACY COLLEGE (DEGREE), LATUR

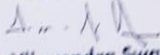
Basweshwar Chowk, Kava Road, Latur 413512 Maharashtra, India


Certificate

This certificate is awarded to Dr./Mr./Ms./Ms. Aechana A. Yelmate.
(Research Scholar) of Dayanand college of

pharmacy, Latur.

has participated in National Conference on "Applications of Computational Chemistry in
Pharmaceutical Research" as a ~~Chair Person/Resource Person/Evaluator/~~
~~Deligate/Organizing committee Member/Volunteer and Presented poster~~ and stood
~~First/Second/Third~~ Rank in Review/Research poster held on 15th March, 2019 at
Channabasweshwar Pharmacy College (Degree), Latur. (M.S.)


Dr. Vijayendra Swamy S. M.
Principal


Prof. Dr. Bhusnure O.G.
Organizing Secretary

Panchakshri Shivacharya Trust
CHANNABASWESHWAR PHARMACY COLLEGE (DEGREE)
Basweshwar Chowk, Kawa Road, Latur
Phone No. : 02382-243855

Received From : **Sonvane Sameep Madhukar** No. : **MAR-22\ROI\0074**
Date : **24-Mar-2022**
Roll No. : **0**

Sr.	Particulars	Amount
1.	I.A.E.C. (PHAMACOLOGY)	5,000.00

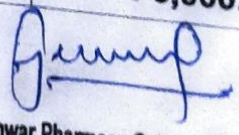
Received Thru : **Cash**

INR Five Thousand only.

Narration : **Being cash received against I.A.E.C.**

₹ 5,000.00

Prepared By : **yerte**


For : Channabasweshwar Pharmacy College (Degree)

FEE RECEIPT

(Student Copy)

Panchakshari Shrivacharya Trust
CHANNABASWESHWAR PHARMACY COLLEGE (PH.D.)

Beeveshwar Chowk, Kava Road, Latur
 Phone No. : 02382-243855

Received From : Sonvare Sameep Madhukarrao No. : 4
 Standard : Academic Year-2 (Transferred) Date : 18-Oct-2020
 Division : Roll No. : 8

Sr.	Particulars	Amount
1.	Admission & LMS Fees	300.00
2.	Laboratory Fees	3,700.00

Received Thru : Cash

INR Four Thousand only.

₹ 4,000.00

Narration : Being cash received against research center fees for Academic Year 2020-21. 2019-20

Prepared By : ganesh

For : Channabasweshwar Pharmacy College (Ph.D.)

(Student Copy)

FEE RECEIPT

Panchakshari Shrivacharya Trust
CHANNABASWESHWAR PHARMACY COLLEGE (PH.D.)

Basweshwar Chowk, Kava Road, Latur
Phone No : 02382-243855

Received From : Sonvare Sameep Madhukarnao Rs : 8
Standard : Academic Year-2 (Transferred) Date : 18-Oct-2020
Division : Roll No : 8

Sr.	Particulars	Amount
1.	Admission & LMS Fees	500.00
2.	Laboratory Fees	7,400.00

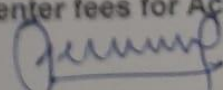
Received Thru : Cash

INR Eight Thousand only.

₹ 8,000.00

Narration : Being cash received against research center fees for Academic Year 2020-21.

Prepared By : ganesh


For : Channabasweshwar Pharmacy College (Ph.D.)

(Student Copy)

RECEIPT (OTHER)

Panchakshri Shivacharya Trust
CHANNABASWESHWAR PHARMACY COLLEGE (DEGREE)
Basweshwar Chowk, Kawa Road, Latur
Phone No. : 02382-243855

Received From : Sanvane S M

No. : RO\22-23\1436

Date : 13-Sep-2022

Roll No. : 0

Sr.	Particulars	Amount
1.	I.A.E.C. (PHAMACOLOGY)	10,760.00

Received Thru : Cash

INR Ten Thousand Seven Hundred Sixty only.

₹ 10,760.00

Narration : Being cash received against I.A.E.C

Prepared By : yerte

yerte
For : Channabasweshwar Pharmacy College (Degree)

FEES RECEIPT

(Student Copy)

Panchakshari Shivacharya Trust
CHANNABASWESHWAR PHARMACY COLLEGE (PH.D.)
Basweshwar Chowk, Kava Road, Latur
Phone No. : 02382-243855

Received From : Wadulkar Raghunath Dhondiram - 2020 No. : 1
Standard : Academic Year-3 (Transferred) Date : 13-Sep-2022
Division : Roll No. : 0

Sr.	Particulars	Amount
1.	Admission & LMS Fees	600.00
2.	Laboratory Fees	7,400.00

Received Thru : Cash

INR Eight Thousand only.

₹ 8,000.00

Narration : Being amt. received against research center fees

Prepared By : yerte

For: Channabasweshwar Pharmacy College (Ph.D.)

(Student Copy)

RECEIPT (OTHER)

Panchakshri Shivacharya Trust
CHANNABASWESHWAR PHARMACY COLLEGE (DEGREE)
Basweshwar Chowk, Kawa Road, Latur
Phone No. : 02382-243855

Received From : Yelmate Archana A.

No. : OCT-21\RO\0066

Date : 26-Oct-2021

Roll No. : 0

Sr.	Particulars	Amount
1.	Animal House	14,990.00
Received Thru : Cash		
INR Fourteen Thousand Nine Hundred Ninety only.		₹ 14,990.00

Narration : Being cash received against Animal house facility charges from March-2021 to August-2021. as per letter.

Prepared By : yerte

For : Channabasweshwar Pharmacy College (Degree)

Panchakshri Shivacharya Trust's Est :- 1973

Channabasweshwar Pharmacy College (Degree)

Kava Road, Basweshwar Chowk, Latur-413512 (Maharashtra)
Phone No. (02382) 240192, Fax-(02382) 243855
Email- channabasweshwar@gmail.com Website- www.cdphl.org

Approved by:- Govt. Of Maharashtra, AICTE & PCI New Delhi, Affiliated to :- S.R.T.M. University Nanded.

DTE Code :- 2253, University Code :- 947

Ref. No: CBPCL / Poster Pre / 2022-23 / 6608

Date : 29/09/2022

Invitation Letter

To,

Prof. Balaji Shetkar
Department of Quality Assurance,
Dyanand College of Pharmacy, Latur

Subject: Invitation letter for Poster presentation as evaluator.


Respected Sir,

Greetings with you immense pleasure to inform you that Channabasweshwar Pharmacy College, Latur organized one day **Poster presentation** on the occasion of World Pharmacist Day.

In this context take the privilege of invite you as "Evaluator" for the programme on 29/09/2022 at 3:30 pm at our college.

We eagerly look forward for your esteemed presence for the occasion.




Principal
Channabasweshwar Pharmacy
College (Degree), Latur

Panchakshri Shivacharya Trust's Est :- 1973

Channabasweshwar Pharmacy College

Kava Road, Basweshwar Chowk, Latur-413512 (Maharashtra)

Phone No. (02382) 240192, Fax-(02382) 243855 Email- channabasweshwar@gmail.com Website- www.cdphl.org

DTE Code (Degree)- 2053, University Code :- 947,DTE Code(Diploma) :- 2025, MSBTE Code :- 0052

Approved by:- Govt. Of Maharashtra, AICTE & PCI New Delhi, Affiliated to :- S.R.T.M. University Nanded, AICTE & PCI New Delhi, Affiliated to :- MSBTE, Mumbai.

Ref. No: CBPCL / Postke Presentation/2022-23/607

Date : 29/ 09/ 2022

Invitation Letter

To,

Prof. Yogesh Kulkarni
HOD. Department of Pharmaceutical Chemistry,
Dyanand College of Pharmacy, Latur


Subject: Invitation letter for Poster presentation as evaluator.

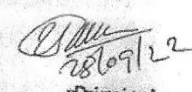
Respected Sir,

Greetings with you immense pleasure to inform you that Channabasweshwar Pharmacy College, Latur organized one day Poster presentation on the occasion of World Pharmacist Day.

In this context take the privilege of invite you as "Evaluator" for the programme on 29/09/2022 at 3:30 pm at our college.

We eagerly look forward for your esteemed presence for the occasion.


Principal
Channabasweshwar (Polytechnic) College
Kava Road, Latur


Principal
Channabasweshwar Pharmacy College
(Degree), LATUR





Dayanand Education Society's

DAYANAND COLLEGE OF PHARMACY,

Barshi Road, Latur (Maharashtra) Pin - 413531 PH-(02382)-223299, 223199

Website: www.dayanandpharmacy.org E-mail : dayanandpharmacy@rediffmail.com
principaldcop@gmail.com

Shri Laxmireman Lahoti
President

Shri Ramesh Biyani
Secretary

Dr. Satpute K.L.
Principal

Ref. No.:- DCOP/B.Pharm/2022-23/PR Exam/ 4486

Date: - 13/12/2022

To,

Mr. Hindole S.S.,

Channabashwar Pharmacy College,

Latur

**Subject: Appointment as an External Examiner for semester Practical Examination
winter 2022**

Dear Sir/Madam,

I have pleasure to communicate that you have been appointed as an External Examiner in the B. Pharmacy Semester Practical Examination Winter-2022. The details of examination are as under:

Sr. No.	DATE	SUBJECT	Class	Batch	TIME
1	19/12/2022	Pharmacognosy & Phytochemistry-II	B. Pharm III (Sem- V)	C	09:00 am to 01:00 pm
2	20/12/2022	Pharmacognosy & Phytochemistry-II	B. Pharm III (Sem- V)	A B	09:00 am to 01:00 pm 02:00 pm to 06:00 pm

Please make it convenient to attend the examination.

Thanking you...

Received copy
8
20/12/22




Principal
Dayanand College Of Pharmacy
LATUR



Dayanand Education Society's
DAYANAND COLLEGE OF PHARMACY,

Barshi Road, Latur (Maharashtra) Pin - 413531 PH-(02382)-223299, 223199

Website: www.dayanandpharmacy.org E-mail : dayanandpharmacy@rediffmail.com
principaldcop@gmail.com

Shri Laxmiraman Lahoti
President

Shri Ramesh Biyani
Secretary

Dr. Satpute K.L.
Principal

Ref. No.:- DCOP/B.Pharm/2022-23/PR Exam/५५४५

Date: - 13/12/2022

To,

Mr. Attar M.S.,

Channabashwar Pharmacy College,

Latur

**Subject: Appointment as an External Examiner for semester Practical Examination
winter 2022**

Dear Sir/Madam,

I have pleasure to communicate that you have been appointed as an External Examiner in the B. Pharmacy Semester Practical Examination Winter-2022. The details of examination are as under:

Sr. No.	DATE	SUBJECT	Class	Batch	TIME
1	19/12/2022	Instrumental	B. Pharm IV	A	09:00 am to 01:00 pm
		Methods of Analysis	(Sem- VII)	B	02:00 pm to 06:00 pm
2	20/12/2022	Instrumental	B. Pharm IV	C	09:00 am to 01:00 pm
		Methods of Analysis	(Sem- VII)		

Please make it convenient to attend the examination.

Thanking you...

Received
By
20/12/2022




Principal
Principal
Dayanand College Of Pharmacy
LATUR



Dayanand Education Society's

DAYANAND COLLEGE OF PHARMACY,

Barshi Road, Latur (Maharashtra) Pin - 413531 PH-(02382)-223299, 223199

Website: www.dayanandpharmacy.org E-mail : dayanandpharmacy@rediffmail.com
principaldcop@gmail.com

Shri Laxmiraman Lahoti
President

Shri Ramesh Biyani
Secretary

Dr. Satpute K.L.
Principal

Ref. No.:- DCOP/B.Pharm/2022-23/PR Exam/ 4485

Date: - 13/12/2022

To,

Dr. Ladde S.S.,

Channabashwar Pharmacy College,

Latur

**Subject: Appointment as an External Examiner for semester Practical Examination
winter 2022**

Dear Sir/Madam,

I have pleasure to communicate that you have been appointed as an External Examiner in the B. Pharmacy Semester Practical Examination Winter-2022. The details of examination are as under:

Sr. No.	DATE	SUBJECT	Class	Batch	TIME
1	19/12/2022	Pharmacology -II	B. Pharm III (Sem- V)	A B	09:00 am to 01:00 pm 02:00 pm to 06:00 pm
2	20/12/2022	Pharmacology -II	B. Pharm III (Sem- V)	C	09:00 am to 01:00 pm

Please make it convenient to attend the examination.

Thanking you...

Ramesh
SSB
20/12/2022



[Signature]
Principal
Principal
Dayanand College Of Pharmacy
LATUR



Panchakshri Shivacharya Trust's

Est :- 1973

Channabasweshwar Pharmacy College (Degree)

Kava Road, Basweshwar Chowk, Latur-413512 (Maharashtra)

Phone No. (02382) 240192, Fax-(02382) 243855

Email- channabasweshwar@gmail.com Website- www.cdphl.org

Approved by:- Govt. Of Maharashtra, AICTE & PCI New Delhi, Affiliated to :- S.R.T.M.University Nanded.

DTE Code :- 2253, University Code :- 947

Ref. No/CBPCL/Pr-Exam/Certi/2022/

Date: 19/12/2022

ATTENDANCE CERTIFICATE

This is to certify that **Mr. / Miss Dr. R.D. Wadulkar** has conducted summer Practical Examination in **Subject Pharmacology III (BP608P) B Pharmacy 3rd Year** date on 18/12/2022 of **Swami Ramanand Teerth Marathwada University, Nanded** as an External Examiner at **Channabasweshwar Pharmacy College (Degree), Latur** He/ She is relieved from his/ her duties on 18/12/2022 (Time: 03:00p.m)

Hence Certified,

Principal
Channabasweshwar Pharmacy College
(Degree), LATUR



Panchakshari Shivacharya Trust's

CHANNABASWESHWAR PHARMACY COLLEGE (DEGREE)

Kava Road, Basweshwar Chowk, Latur-413 512.(Maharashtra)

Ph- (02382) 641008 Fax- (02382) 243855 E-mail - channabasweshwar@gmail.com

..... Visit us www.cdph.org.....

Ref.No.Cpcdl/Pr.exam/Certi/2022/6869

Dt: - 21.12.2022

ATTENDANCE CERTIFICATE

This is to certify that Mr. /Miss **Dr. R.D Wadulkar** has conducted **winter 2022** Practical examination in subject Pharmacotherapeutics - I for **Pharm.D second** year dated on 21.12.2022 of Swami Ramanand Teerth Marathwada University, Nanded as an External examiner at Channabasweshwar **Pharmacy College (Degree), Latur**. He / She is relieved from his/her duties on 21.12.2022 (Time: 06.30 p.m.)

Hence Certified.

PRINCIPAL

Principal
Channabasweshwar Pharmacy
College (Degree), Latur

Panchakshri Shivacharya Trust's Est :- 1973

Channabasweshwar Pharmacy College (Degree)

Kava Road, Basweshwar Chowk, Latur-413512 (Maharashtra)
 Phone No. (02382) 240192, Fax-(02382) 243855
 Email- channabasweshwar@gmail.com Website- www.cdphl.org

Approved by:- Govt. Of Maharashtra, AICTE & PCI New Delhi, Affiliated to :- S.R.T.M.University Nanded.

DTE Code :- 2253, University Code :- 947

Ref.No/CBPCL/EXAM/2022/ 6458

Date: 13/7/2022

To,
 Mr.Lohiya G.V.
 Dayanand College of Pharmacy,
 Latur-413512

Subject: **Appointment as an External examiner for Project Work Evaluation Summer- 2022.**

Sir / Madam,


I have pleasure to communicate that you have been appointed as an External Examiner in the summer-2022 project work Evaluation as per Examination Panel of S.R.T.M. University, Nanded.

The details of evaluation schedule are as under

Sr.No.	Date	Subject	Class	Department / Time
1	29-07-2022	Project work (BP812PW)	B Pharm IV th Year Sem VIII	Pharmaceutical Quality Assurance 10.00 AM To 5.00 PM


Please make it convenient to attend the examination.

Thanking you.


 Principal
 Channabasweshwar Pharmacy College
 Latur-413512


 IQAC Co-ordinator
 IQAC Co-ordinator
 Dayanand College Of Pharmacy
 LATUR




 PRINCIPAL
 Dayanand Education Society's
 Dayanand College of Pharmacy
 LATUR-413531

Phytochemical Screening by FTIR Spectroscopic Analysis of Some Indian Medicinal Plants

Yelmate A.A.*¹, Dr. Thonte s.s.²

1. Channabashweshvar College of Pharmacy, Latur, Maharashtra, India.
2. Channabashweshvar College of Pharmacy, Latur, Maharashtra, India.

Abstract:

The present study is aimed to analyse the ethanol and aqueous extracts of leaves of Azardirachta indica, Vitex nigundo and seeds of Trigonella foenum graecum through FTIR spectroscopy method. The FTIR spectroscopic studies revealed different characteristic peak values with different functional groups in the extracts. The FTIR analysis of leaf extracts of Azardirachta indica, Vitex nigundo and seeds of Trigonella foenum graecum extract confirmed the presence of amide, alcohols, phenols, alkanes, carboxylic acids, aldehydes, ketones, alkenes, primary amines, aromatics, esters, ethers, alkyl halides and aliphatic amines compounds, which shows major peaks. The FTIR method was performed on a spectrophotometer system, which was used to detect the characteristic peak values and their functional groups. The results of the present study generated the FTIR spectrum profile for these medicinally important plants and these can be used in the industry. The nature of therapeutic action of these plants as understood from its chemical properties could be a novel approach in developing cost effective and safe herbal formulations to deal with dermal disorders.

Keywords: Azardirachta indica; Vitex nigundo; Trigonella foenum graecum ; FTIR Spectroscopy; Functional groups.

Introduction:

Bacteria are unable to develop resistance to multiple chemically complex phytochemical present in plant extracts. The increasing failure of chemotherapeutics with antibiotic resistance by pathogenic bacteria has led to the different medicinal plants for their antimicrobial activity. Traditional medicines play a very important role around the globe in health services. Plants are considered to be a vital source of potentially useful phytoconstituents for the developments of new drugs. Many plants are containing natural antibacterial compounds which are used to treat most of the bacterial infections as natural medicine [1]. India is one of top twelve megadiversity centers and the wealth of medicinal and aromatic plants. The efficacy depends on the use of proper plant part and its biological activities which in turn depends up on the presence of required amount of different phytoconstituents. In Indian system of medicine *Azardirachta indica*, *vitex nigundo*, *trigonella foenum graecum* has been mentioned as a remedy for the treatment of different skin diseases and ailments. Based on this folkloric use, the present study was designed to analyze the different functional groups present in these plant extracts. Identification of the chemical nature of constituents present in the medicinal plants will provide valuable information related to functional groups responsible for its therapeutic actions. [2] Natural product's properties are related to certain classes of compounds such as alkaloids, flavonoids, essential oils and others. During the decades near-infrared spectroscopy has become one of the most important



Research Article

Development of novel substituted indole molecules as potential NAV1.7 inhibitors

Sonvane Sameep*, Lonikar Nitin, Bhusnure Omprakash

Channabasweshwar Pharmacy College, Latur, Maharashtra, India

ABSTRACT

Pain is often defined as a single form of the nervous system for abnormal things in the human body. Neuropathic pain is a type of pain that is a consequence of nerve damage and usually, it is a chronic type. Sodium Channel 1.7 (Nav 1.7) is an upcoming target for neuropathic pain management. Several heterocyclic compounds are reported for potentials against neuropathic pain. 24 different heterocyclic derivatives from substituted indole class were synthesized and virtually analyzed against Nav 1.7 for inhibition potential. The developed substituted indole was confirmed via spectral analysis and showed excellent binding ability with Nav 1.7, which can be further explored for biological activity for the development of potential Nav 1.7 inhibitors with excellent activity against Neuropathic pain.

Keywords: Pain, Neuropathic pain, Indole, Docking.

Received – 24/11/2021, Reviewed - 10/12/2021, Revised/ Accepted- 28/12/2021

Correspondence: Sonvane Sameep* ✉ sameepsonvane@rediffmail.com

Channabasweshwar Pharmacy, College, Latur, Maharashtra, India

INTRODUCTION

Heterocyclic compounds are compounds with one or more heteroatoms in their structure. Heterocyclic compounds are known for their biological potentials. Heterocyclic systems like Indole are known for their biological activities. Numerous activities like anticancer, neuroprotective agent, antioxidant, anti-rheumatoid, aldose reeducates inhibitor, and anti-HIV agents are shown by substituted indole compounds. Neuropathic pain is one of the types of pain which involves nerve damages or injury to the nerve ending. This type of pain is often chronic one which can be caused by alcoholism, diabetes, AIDS, and chronic nerve disorders^[1-6]. Neuropathic pain is often treated with antiseizure drugs like Gabapentin, Pregabalin, Topiramate, Carbamazepine, and certain antidepressant agents like Amitriptyline, Nortriptyline, and Venlafaxine. The development of selective and specific molecules targeting neuropathic pain needs time. Sodium Channel 1.7 (Nav 1.7) is one of the upcoming targets for the development of molecules against neuropathic pain. Nav1.7 is a channel that is encoded by the SCN9A gene normally it is found to be present in the high levels in nociceptive (pain) neurons in the dorsal root ganglion and trigeminal ganglion and sympathetic ganglion neurons which is a component of the ANS. Sodium channel NaV1.7 plays an important role in the maintenance of the threshold for the action potential in the primary sensory neurons, due to this reason Nav 1.7 is the main research area for many researchers^[7-9]. For treatment of Neuropathic pain (NP), it

is a need develop new non-steroidal anti-inflammatory drugs with antioxidative properties. In this process Sodium ion channel blocker is the one of the specific action ways of the drug to act in treatment of NP. Lacosamide is one of the drugs which is shows the similar action in treatment of NP. In similar way Potassium channel opener is another way in treatment of NP. Sodium channel blockage or potassium channel opening is the promising way for drug which act against neuropathic pain. Pregabalin and gabapentin is the effective drug which exert their biological action by which is act by inhibiting $\alpha_2\delta$ accessory subunit of voltage gated Ca channel as a result block the calcium channel and shows effective biological action. Phenytoin was first introduced in 1938 as an anti-epileptic. Recently we surprisingly found that there is no difference in the amount of evidence to support carbamazepine and phenytoin in the treatment of neuralgia^[10-14]. Already as early as 1942, three patients were reported suffering from trigeminal neuralgia; 200-300 mg phenytoin daily was effective in a reducing pain. This drug is effective by showing Na channel blocking agent.

Molecular docking is one of the key techniques utilized for molecular scrutiny before the synthesis. Docking analysis is also called the molecular interaction analysis in which the interaction between the macromolecule and macromolecule is analyzed. The docking analysis can give an insight into the molecular behavior in the biological system and which will be helpful to analyze the

Evaluation of the effect of Synbiotic in High-fat diet fat and streptozotocin-induced diabetic Wistar rats.

Wadulkar R. D¹. Bhusnure O.G.²

1. Dayanand College of Pharmacy Latur. (Maharashtra), India.

2. Channabasweshwar Pharmacy College, Latur. (Maharashtra), India.

Address for Correspondence:

Mr. Wadulkar R.D.

Dayanand College of Pharmacy, Latur

Email: rwadulkar29@gmail.com

Mob: 9421604150

Abstract:

Background: Dysbiosis is the causative factor chronic diseases including diabetes, obesity, cancer, and Inflammatory Bowel disease. Homeostasis of gut flora with prebiotics and probiotics could reduce the risk factors of chronic disease.

Aim: To study the effect of Synbiotic (combination of prebiotics and probiotics) in a High-fat diet and STZ-induced diabetes in Rats.

Methods and Material: In the present study we had designed the formulation containing sauerkraut juice as a good source of probiotics and prebiotics (*Allium Sativum* and *Cucurbita maxima*). The designed polyherbal formulation (PHF) in lower and higher concentrations was evaluated for antidiabetic and antiobesity activity in a High-fat diet and Streptozotocin-induced diabetes in Wistar rats.

Results: Polyherbal formulation in lower concentration (PHF-LC) and Polyherbal formulation in high concentration (PHF-HC) reduced blood glucose significantly ($p < 0.01$) & ($p < 0.001$) respectively when compared to the Diabetic (HFD-STZ) control group and positive control group. Reference standard metformin most effectively ($p < 0.001$) reduced the blood glucose level when compared to the Diabetic (HFD-STZ) control group. It also shows a significant reduction in the lipid profile and body weight of animals. The histopathological study clearly shows that polyherbal formulation in higher concentrations restores the normal architecture of the liver and pancreas

Conclusions:

It was concluded that polyherbal combination in higher concentrations shows significant antiobesity and antidiabetic effects in High fat and STZ-induced diabetic rats. The polyherbal formulation may prevent dysbiosis-induced diabetes and obesity in Wistar rats. But further preclinical and clinical evaluation is required for the clinical use of such

Antimicrobial Activity of *Trigonella foenum graecum* Linn: seed extracts against multidrug resistant bacteria.

Yelmate A.A.*¹, Dr. Thonte s.s²

1. Channabashweshwar College of Pharmacy, Latur, Maharashtra, India.
2. Channabashweshwar College of Pharmacy, Latur, Maharashtra, India.

Abstract:

The pharmaceutical industry has produced a large number of synthetic antibiotics over the few decades, but resistance to these antibiotics by human pathogens has increased. Recent work emphasis on natural sources plants all over the world to develop novel, appropriate and efficient antimicrobial drugs. Fenugreek seed (*Trigonella foenum-graecum* Linn.) is selected for the study. This study was aimed preliminary to investigate in vitro antimicrobial activity of fenugreek seeds extracts against skin infection causing microorganisms such as *Escherichia coli*, *Candida albicans* and *B.Subtilis* using two different solvents: aqueous extractions and ethanol extractions. The antimicrobial activities were evaluated using agar-well diffusion method. The results indicated that ethanol extract of fenugreek seeds shows greater antimicrobial activity as compared to water extract. The various functional groups present in these plant extracts probably indicate the presence of phytoconstituents like carbohydrates, Flavonoids, amino acids, amides, alkaloids, saponins, lipids and phenols. Among the various functional groups observed in these plant extracts, OH group was found very commonly observed in the ethanolic extracts of seed of *trigonella foenum graecum* Linn.

Keywords: Fenugreek; Seeds; Antibiotics; Solvent extraction; Antimicrobial.