



CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES (AUTONOMOUS)



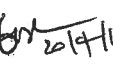
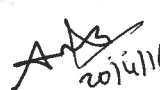

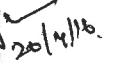

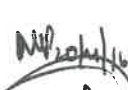




**Accredited by NBA (B.Pharmacy) and NAAC with 'A' Grade
Affiliated to Acharya Nagarjuna University, Guntur, Approved by AICTE
Chalapathi Nagar, Lam, GUNTUR – 522034, A.P.**

3.1.1 Minutes of Research Advisory Committee

20/04/16

21st Research Advisory Committee Meeting

21st Research advisory committee meeting will be held on 20/04/16 at 4.45 pm in room no: 107.

1. NRR  2. AEP  3. DBS 
4. ARB  5. VRR  6. PRS 
7. VR  8. NLD  9. SVR 
10. MSK  11. Prof KPR  12. Dr. KPR 

Resolutions:

1. It was discussed and resolved to review the status of all projects which are under progress is reviewed.
2. It is also resolved & discussed to apply various Governmental & Non-Governmental agencies for funding of various research projects.
3. It is also resolved that the research scholars allotted to research guides shall perform their research activities as per the regulations of the respective universities.

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4. It is further resolved that all research scholars, either full time (or) part time shall attend a review meeting being conducted in the research centre atleast two times in a year.



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15/05/2016 22nd Research Board Meeting

22nd Research advisory board meeting will be held on 15/05/2016 at 4:30 PM in

Room number 107.

1. NAR ~~K/S/16~~
2. AEP ~~V/S/16~~
3. ANB ~~Arb~~ 245
4. VVR ~~Arb~~
5. PVS ~~Arb~~ 16
6. NLP ~~Arb~~ 16
7. STVA ~~Arb~~ 16
8. Prof KPR
9. Dr. KPR ~~Arb~~

Resolutions

1. Resolved to encourage faculty to apply for AICTE-RPS, MODROBS and Seminars grants
2. Resolved to encourage faculty to apply for Ph.D programme with various Indian Universities
3. Resolved to train faculty about UGC approved research journals, Quality journals, impact factor, etc
4. Resolved to encourage faculty to depute for pharmaceutical industries 33



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and research laboratories about current research trends.

5. Resolved to ~~grant~~ forward the application of H. Sai Priya, Asst. Prof. to management for ~~a~~ grant of sabbatical leave for 3 years to carryout research in American University



6. Resolved to encourage two persons/ students to have clinical training for a month at Maryland Eastern Shore University, USA.

(Signature)

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D. - ular

uploading.
The following faculty are not allowed to apply for
UGC

- UGC
1. NRA 2. ANB 3. ~~APP~~ 4. PVS
5. GN 6. SR 7. ~~Ngomalle~~ wasi.

[Handwritten signatures and dates]

Pam 9/6/17
A 9/6/17
MF 9/6/17
N. Rangachari 9/6/17
Bogoo 9/6/17
Rangachari 9/6/17
Han 9/6/17
KVK 9/6/17

Circular Stamp:
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25/06/2017

23rd Research Advisory Committee Meeting

Research Advisory committee meeting will be held on 25/06/2017 at 4.30 PM in Room No. 107.

Members Present: 1. NRR ~~25/6/17~~ 2. AEP ~~25/6/17~~
3. ANB ~~25/6~~ 4. VVR 5. PVS ~~25/6/17~~
6. NLP ~~25/6~~ 7. STVR ~~25/6/17~~ 8. Prof KPR ~~25/6/17~~
9. Dr. KPR ~~25/6~~

Resolutions:

1. Minutes of last meeting dated were approved.

2. Review of Research Projects (a)

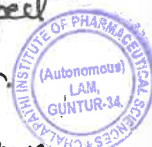
05 UGC minor research projects were completed, forwarded reports to UGC SERO, Hyderabad in respect of Prof. K.N. Rajanikanth, Dr. V. Venkata Rao, Mr. G. Pratap, Mr. Prasanna and Dr. D.B. Srinivas Rao. Correspondingly noc/clearance letter is also received from UGC SERO.

(b) 03 UGC Minor Research projects Granted during the academic year 2015-2016 to Dr. G. Nagaraj

Mr. M. Naganallagari and Mr. S. Radhika were reviewed.

All these projects were completed in all respects, will be audited and final reports will be forwarded to UGC SERO for securing noc.

(c) 05 UGC Minor research projects granted by UGC SERO during the year 2016-2017₃₇



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To Prof. N. Rama Rao, Prof. A. Narendrababu, Dr. A. C. Prabakar were reviewed and are in good progress. Minor research project fund towards Dr. V. Rao and Dr. M. Sathish Kumar will be verified with accounts department, if so will be refunded to UGC SERO immediately.

3. DST-FIRST: Applied for DST-FIRST and was acknowledged.

4. AICTE Projects: Faculty of CLPT applied for 03 RPS - AICTE Projects and are awaiting for the results.

5. M. Pharm Projects: M. Pharmacy with respect to 04 projects will be evaluated as per the University norms.

6. Dr. M. Sathish Kumar was allotted, but the candidate left the institution, therefore the amount was not released to college account.



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23/10/2017

24th Research Advisory Committee Meeting

Research Advisory Committee Meeting will be held on 20/9/2017 at 4.30 PM in room number 107.

Members Present

1. NAR ~~10/10~~ 23/10/17
2. ANB ~~10/10~~ 23/10/17
3. AEP ~~10/10~~ 23/10/17
4. SVR ~~10/10~~ 23/10/17
5. PVC 23/10/17
6. VPR
7. NLP ~~10/10~~ 23/10/17
8. Prof. KPR
9. Dr. KPR. ~~10/10~~ 23/10/17

Relieved on 15/11/17

Resolutions

1. Minutes of 25/6/2017 dated were approved

2. AICTE Projects : An AICTE-RPS was granted to Prof. N. Rama Rao during the year 2017 and the grant is deposited in SBI Account. Corresponding quotations were received to purchase laboratory spraydrier after discussing with an industrial expert Mr. Bala Pasha of Amgenex Hyderabad. He decided to procure spraydrier as suggested by Mr. Pasha.

3. Patents : Board appreciated the initiation of Department of Pharmaceutical Analysis for filling of Patents by Faculty and Students.



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04. Two students namely Mr. Y. V. H. Suresh and Mr. Deepak were deputed for clinical activity training and collaborative research for a month at Maryland Eastern Shore University, USA.

05. Mr. M. V. Ramana and Miss. N. Santhi Priya Undergone One day exclusive training on formulation development by utilizing Fluidised bed processor at EVONIK, Mumbai.

06. Resolved to ~~publish~~ register a minimum of 10 patents by Faculty/Students during the Year 2017-2018.

07. Dr. A. P. Prabakar and Dr. P. V. Suresh were appreciated and felicitated for their contribution in patent filing and consultancy research in Pharmaceutical Analysis.

08. Resolved to procure Polarimeter - digital of Lab India Make to strengthen the basic research and Pre-formulation Studies.

Approved by 2nd Academic and 2nd QAB meeting



K. Suresh
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15/11/17

25th Research Advisory Committee Meeting

25th Research Advisory Committee meeting will be held at 4:00 PM in Room No. 108 to discuss the following agenda:

1. Proposals to AICTE - RPS/HODROBS/Conference/FDP etc.,
2017

2. Review of Progress of Research

3. Any other with permission of chair

Members ::

1. NRA 15/11/16
2. AEP 15/11/17
3. ANB 15/11/17
4. PVS 15/11/17
5. STVR 15/11/17
6. NLP 15/11/17
7. Prof KPR 15/11/17
8. Dr. KPR 15/11/17

9. D.E.T. - DAS



Resolutions

① Minutes of 23/10/2017 dated were approved.

② To encourage the Ph.D. possessing faculty to apply for major projects in a.y. 2017-18.

③ It is also resolved to file one proposal per a faculty member with Ph.D. degree.

④ It is also resolved to apply for UGC minor research projects.

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1/3/18

26th Research Advisory Committee Meeting

26th Research Advisory Committee Meeting will be held at 4:00 PM in Room No:- 108 to discuss the following agenda:-

1. Proposals to AICTE for the year 2018-2019.
2. Review of AICTE Major research project for the year 2017-18.
3. To review UGC minor research projects for the year 2017-18.
4. To review AICTE and ISPOR seminar grants.
5. To renew DSIR recognition for research activities.
6. To forward proposals for research and seminar grants to SERB and DST for the year 2018-2019.
7. To constitute the research advisory committee ~~for~~ the year 2018-19.
8. Review of Research publications of the year 2017-18.
9. Review of Patents registered in the year 2017-2018.

Resolutions :-

26th Research Advisory Committee met on 1st March 2018 at 4:00 PM in Room No:- 108 and discussed the above agenda and made 43



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the following resolutions:-

1. AICTE proposals for the year 2018-19:-

It is discussed and resolved to forward three proposals ~~for~~ ^{under} Research promotion scheme three for Short Term Training program and one for organizing conference to AICTE for the approval and release of the grant.

2. Review of AICTE Major Research Project:-

A major research project under RPS granted by AICTE for the academic year 2017-2018 entitled "Design and development of oral drug delivery system using herbal medicines to treat Alzheimer's disease" was reviewed by Research Advisory Committee. In context to this spray dryer was purchased and physicochemical characterization and preformulation studies of the drug was completed. Annual report of the project was also prepared and ~~forwarded~~ ^{will be} forwarded to AICTE in April, 2018. @

3. Review of UGC Minor Research Projects:-

Research advisory committee reviewed the status of three UGC minor research projects entitled "Phytochemical and hepatoprotective studies of Nymphaea Nouchali in experimental rats" "Multiple chromatographic and chemometric methods for quality standardization of Indian herbal medicines"



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and "Investigation of novel formulations for attenuation of subarachnoid hemorrhage induced cerebral vasospasm in rats" done by Dr. Rama Rao Madendla, Dr. A. Elphine Perabakar and Dr. A. Narendran Babu and submitted with audited final reports to UGC- SERO for the release of final instalment.

4. Review of AICTE and ISPOR Seminar Grant :-

Research advisory committee reviewed the documents of seminar conducted on the title "Pharmaceutical Granulation: Fundamentals and Frontiers w/ QbD perspective", organized with the fund released by AICTE under seminar grant and submitted audited reports to AICTE for the release of 2nd and final instalments of Rs-50,000/- The said amount was credited on 01/03/2018.

Department of pharmacy practice in association with ISPOR - Amaravathi Regional Chapter, organized two days national seminar, correspondingly audited final reports were forwarded to ISPOR for the release of grant.



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5. Renewal of DSIR Recognition :-

Research advisory committee advised the Chalapathi Institute of Pharmaceutical Sciences to renew the DSIR recognition ^{beyond 2018} and forward the renewal letter to DSIR on time.

6. Proposals for Research and Seminar Grant to SERB and DST :-

The committee resolved to forward proposals for few national seminars and projects to SERB and DST for grants.

7. Constitution of Research Advisory Committee for the year 2018-19 :-

The Research advisory committee members extended their sincere gratitude to the committee and resolved to reconstitute the research board from the year 2018-19 for a period of 03 years.

1. NRR - Prof. Rama Rao Nadendla
2. Dr. A. Elphine Phabakar
3. Dr. A. Narasimha Babu
4. Dr. N. Lakshmi Prasanthi
5. Dr. S.T.V. Raghavamma
6. Dr. Prasanna Sagar
7. Prof. K. Panduranga Rao
8. D. Sesuiah Tony
9. Dr. K. Suresh Babu, ICT

8. Review of Research Publications for the year 2017-18 :-

The committee reviewed the contribution of various Departments of Chalapathi Institute of Pharmaceutical Sciences in the area of Research publications.

The following are the details of research papers published in the year 2017-18 with the respective impact factor.

	<u>Publications</u>	<u>Impact Factor</u>
Pharmaceutics :-	27	10
Pharmaceutical Analysis :-	25	8
Pharmacology :-	11	3.6
Pharmacy Practice :-	18	14.69



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9. The Research Advisory Committee reviewed that 07 Patents were registered under various Departments of Chalapathi Institute of Pharmaceutical Sciences in the year 2017-2018.

Members:-

1. NRR: ~~10000~~ 01/3/18 2. AEP: ~~121~~ 11/03/18 3. ANB: ~~121~~ 11/3/18

4. PVS: ~~121~~ 11/3/18 5. STVR: ~~121~~ 11/3/18 6. NLPN: ~~121~~ 11/3/18

7. Prof. KPR (Absent)

8. Dr. KPR

9. DET: ~~121~~ 11/3/18

Principal Scientist (Dr. K. Suman Reddy)
I.P.C.T. Hyderabad

Principal Scientist (Dr. Poojamma Sagar)
Grand Pharma Pvt. Ltd.
Hyderabad



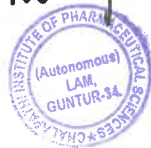
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24/2/2019

27th Research Advisory Board Meeting

27th Research Advisory Board meeting will be held at 4:30 PM in Room No: 108 to discuss the following agenda:

1. To Review AICTE major project for the academic year 2018-2019 and to confirm minutes of 26th Research advisory board meeting.
2. To review AICTE and ISFR Seminar grants
3. To Submit proposals to AICTE / SERB / ~~DST~~ ^{DST} for research and Seminar / conference grants.
4. To review research publications / patents filed during 2018-2019.
5. To review status of consultancy projects during 2018-2019.
6. Any other(s) with permission of the chair.




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Resolutions

1. Research advisory board resolved to confirm minutes of 26th meeting.
2. The board resolved to approve the interim report prepared by the Principal Investigator Prof. Ram Rao Nadreddy was reviewed and found satisfactory. The board authorized the Principal Investigator to submit interim report to AICTE for the year 2018-2019. Till date PI published one review article, one research paper, one patent & two conferences (participated & related).

to the topic of major research project.

3. It is resolved that two travel grant, two short term training program, one Grant for organising conference, ~~three~~ Research promotion scheme proposals were forwarded by faculty of CLPS for the year 2018-2019, of these till date GOC was granted and selected Rs 5,00,000/- to organize an international conference by September 2019. It is further resolved that an ISPOR- Amravathi regional chapter was granted an amount of Rs 1,32,000/- towards a national conference to be organized in March 2019.

4. It is resolved that a proposal by Dr. Vijaypandi Pandey was submitted to SERB under major research project (core research project) entitled, "Novel drug discovery from natural products for the treatment of alcohol dependence and withdrawal" and the said project was granted (CRG/2018/1000813).

5. A DBT Project allocated/granted to Dr. STV Raghava-rama was reviewed and an interim report was also forwarded to DBT for the release of balance amount. (Fold Scope microscope).

6. A Seminar grant was sanctioned/granted and released an amount of Rs. 1,00,000/- to Dr. A. Narendrababu by SERB for the year 2018-2019 (SSY/2018/1000600).
(Transpiring drifts and demises in Preclinical Pharmacology)

7. A Proposal was forwarded to DST under Women Scientist Scheme - B (WOS-B) by Dr. Anita Begum



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Organized
on 11/12/18
Sept. 2018

drug loaded nanofibers for the treatment of post-menopausal osteoporosis (TPN/23473) on Nov, 5, 2018. The institution also submitted a proposal to Nidhi Technology Business Incubation Centre (TPN/25491) DST-PIST proposals submitted to DST under serial 'O' was scrutinized, called for intervention to Cochin, and finally rejected. However for the year 2019-2020 the board resolved to reapply to DST-PIST.

9. Board resolved that during 2018-2019-19 research papers were published by faculty/Students of the Institute, further resolved to publish 55 papers during 2019-2020.

10. Board resolved that 10 number of patents were filed by faculty and Students, further resolved to apply for 10 number of patents during 2019-2020.

11. Board resolved that 43 number of co-research projects were carried during the year 2018-2019.

12. Board resolved to scrutinize proposals to be submitted by faculty/Students to AICTE/DSIR/DST/DBT/Pharmaceutical Director/SERB etc.

Members

4. NARAYAN 2. P. V. S. 3. S. V. R. 4. N. L. P. 5. A. N. B. 6. D. E. V. 7. D. E. K. P. R. 8. S. V. R. 9. D. V. P.

28th Research Advisory Board meeting

Date : 21/02/2020

28th Research Advisory Board Meeting will be held at 04:30 pm in Room No. 108 to discuss the following agenda:-

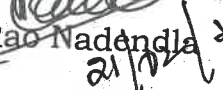


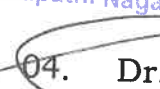
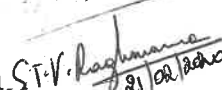
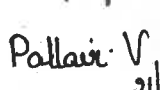


01. To confirm the minutes of the 27th research advisory board meeting.
02. To submit proposals to AICTE/SERB/DST-DBT for research, seminar or conference grants.
03. To review the status of AICTE and DST-SERB granted project.
04. To review the status of recruiting senior research fellow for approved DST-SERB project.
05. To review research publications/patents field during 2019-2020.
06. To review the number of consultancy projects undergoing during 2019-2020.
07. To prepare the action plan for the academic year 2020-2021.
08. Any other with permission of the chair.

Resolutions :-

28th Research advisory board meeting held at 04:30 pm in Room No.108 to discuss the above agenda and made the following resolutions:-

01. Research advisory committee resolved to confirm the minutes of 27th board meeting.
02. The committee resolved that faculty of the institution applied for (01) AICTE project on GOC for 5,00,000/- (02) AICTE projects on FDP for 14,00,000/- (03) AICTE projects on RPS for worth of 75,00,000/- and waiting for approval.
03. The committee resolved to review and approve the final report of AICTE project on RPS prepared by the principal investigator, Pror.Rama Rao Nadendla and found satisfactory. The committee authorized the principal investigator to submit the final report to AICTE for the year 2019-2020. The board resolved to review and submit the 1st interim report of approved DST-SERB project prepared by principal investigator Dr.P.Vijay Pandi.
04. The committee resolved to recruit Miss.B.Supraja, a GPAT qualified candidate as senior research fellow under DST-SERB project.
05. Board resolved that during 2019-2020, a total no. of 71 research papers were published by faculty and students of the institution.
06. The board resolved that 02 patents were field in the year 2019-2020 and further resolved to apply for 10 patents in the next academic year 2020-2021.
07. The committee resolved that a total no. of 48 consultancy projects were carried during the year 2019-2020 and generated the revenue of Rs. 65,000/-
08. The committee resolved to publish 55 research papers for the academic year 2020-2021.

Members :

01. Dr.N.Rama Rao Nadendla  21/2/2020
02. Dr.P.Venkata Suresh  21/02/2020
03. Dr.A.Narendra Babu  21/2/2020
04. Dr.N.L.Prasanthi  21/02/2020
05. Dr.S.T.V.Raghavamma  21/02/2020
06. Dr.V.Pallavi - Pallavi V  21/02/2020
07. Dr.Prasanna Sagar
08. Dr.K.Panduranga Rao
09. Dr.K.Suresh Babu  99639992 21/2/2020
10. Mr.D.Eswar Tony  21/2/2020

29th RESEARCH ADVISORY BOARD MEETING

Date : 1 /11/2020

Time : 04.00 pm

29th Research Advisory Board Meeting will be held at 04.00 pm through online (Zoom Platform) to discuss the following agenda :

01. To confirm the minutes of the 28th research advisory board meeting.
02. To review the status of DST-SERB and AICTE-MRPS Project.
03. To inform about proposals submitted in September 2020 to BIRAC for an amount of Rs.51 lakhs, on inhaled antiviral formulation for viral pneumonia caused by COVID-19 virus; proposals submitted to MSME to setup IP facilitation centre in October 2020 for an amount of Rs. 60 lakhs, proposals submitted to MSME in October 2020 to organize a two days workshop on IPR for micro, small and medium enterprises located in Guntur district and near by in February 2021 for an amount of Rs.01 Lakh, two proposals were submitted to AICTE for AICTE-GOC to organise an onsite international conference in the area of neuropharmacology and to setup Spices (Scheme for promoting interests, creativity and Ethics among students) for the year 2020-2021.
04. To approve the 06 teaching staff under seed money for research grants for the year 2019-2020 academic year.

05. Any other —
1. Established an ENRICH
 2. Proposals to AICTE - QIP, HODROBS, RPS Seminars Grant etc.,

Resolutions :

1. Resolved to confirm resolutions (08) of 28th Research advisory board meeting.

2. Resolved that the DST-SERB project has been progressing satisfactorily. Submitted an extension report, AICTE-MRPS project




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was successfully completed submitted final report, audited statement of account to AICTE, in turn AICTE granted clearance letter to the institution. Two research and one review papers were published and one research award was also granted by Sun Pure Research Award - 2018.

03. Resolved to submit proposals to i. BIRAC for $\text{Rs } 51,00,000/-$ ii. MSHE for $\text{Rs } 60,00,000/-$ to setup facilitation centre (IPR) iii. MSHE for $\text{Rs } 1,00,000/-$ to organise a two days workshop on IPR iv. Two proposals to AICTE to organise GOC/International and to setup SPICES.



04. Resolved to grant to teaching staff to grant seed money for their research activity as per research policy of the institution


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05. Resolved to establish "Chalapathi's Enrich-Entrepreneurial Research and incubation centre in healthcare", in association with OPEx, Kolhapur in 401 and 402 Laboratories. Resolved to inaugurate in October-2020 with 09 members of Core team, 06 members of advisory board and 10 members of mentor board and resolved to pay fee due to OPEx as decided by the Chalapathi Educational Society in a phase wise manner.

06. Resolved to submit proposals to AICTE, to setup QIP in Chalapathi Institute of Pharmaceutical Sciences, HODRASC (), RPS () and Seminar Grant for the ~~year~~ academic year 2020-2021.

07. Resolved that all projects were reviewed and approved to submit proposals to respective departments

1. Dr. N. Ramakrishna
01/11/2020

2. Dr. Vijay Prasad
01/11/2020

4. Dr. V. Pallavi
01/11/2020

06. Dr. K. Suresh Babu
01/11/2020

2. Dr. A. Narasimha Babu
01/11/2020

3. Dr. S.V. Rajkumar
01/11/2020

5. Mr. D.E. Tony
01/11/2020

07. Dr. Prasantha
01/11/2020



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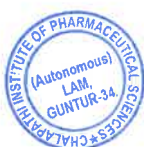
30TH RESEARCH ADVISORY BOARD MEETING (online)

Date: 04.08.2021

Time: 04.00PM

30th Research advisory board meeting will be held through zoom online platform to discuss the following agenda:

1. To confirm the minutes of the 29th Research advisory board meeting.
2. To review the status of DST-SERB Project interim report.
3. To approve the change of research scholar under the DST-SERB project by duly appointed committee.
4. To review the seed money grant for research provided to 05 teaching staff for the 2020–2021 academic year.
5. To review the workshops, seminars conducted on research methodology, intellectual property rights, entrepreneurship and skill development.
6. To review the student projects, internships and field projects.
7. To review the training of teaching and non-teaching staff for consultancy projects.
8. To review the publication of review and research papers in indexed journals.
9. To review the publication of patents.
10. Any other:
 - a. Consultancy projects
 - b. Corporate training
 - c. Sponsored research projects
 - d. Extension activities




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30TH RESEARCH ADVISORY BOARD MEETING (online)

Resolutions:

01. Board resolved to confirm the resolutions (07) of 29th Research advisory board meeting held on 01/11/2020.
02. Board resolved to review and submit 2nd interim report of DST-SERB project titled “Novel Drug discovery from natural products for the treatment of alcohol dependence and withdrawal” (CRG/2018/000813) by November 2021. Four research papers were published in Scopus, PubMed and SCI indexed journals and one book chapter was published in Elsevier academic press, Burlington, USA. **(ANNEXURE-I)**
03. Board resolved to approve the change of research scholar under DST-SERB project, since Mrs. B. Supraja resigned due to her personal reasons, Mrs. Asiya Begum who was qualified in GPAT was appointed as research scholar as per the guidelines of the SERB. **(ANNEXURE-II)**
04. Board reviewed the seed money grant provided for teaching staff for their research activity as per the research policy of the institution. Board further resolved that 04 faculty members were granted seed money of Rs.31075/- during 2020-2021 academic year. **(ANNEXURE-III)**
05. Board resolved to continue with organizing workshops and seminars on research methodology, intellectual property rights, entrepreneurship and skill development programmes to support and encourage research activities. A total number of 19 workshops and seminars were organized during the academic year 2020-2021. **(ANNEXURE-IV)**
06. Board reviewed the student projects, practice school, internships, clericalship and field projects of B.Pharmacy, M.Pharmacy and Pharm.D programmes. **(ANNEXURE-V)**
07. Board resolved to further upgrade the research facilities and provide training for teaching and non-teaching staff for undertaking consultancy projects. A total number of 19 such training programmes were organized during the academic year 2020-2021. **(ANNEXURE-VI)**



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08. Board resolved to publish research and review papers in Scopus/PubMed indexed journals to further promote the quality of the research publications. A total number of 28 research papers were published during the academic year 2020-2021 in indexed journals with a total impact factor of 17.997. **(ANNEXURE-VII)**

09. Board resolved to encourage publication of patents to strengthen and promote IPR activities in the institution. One patent was granted and a total number of 14 patents were published during the academic year 2020-2021. **(ANNEXURE-VIII)**


10. Board resolved that 24 number of consultancy projects were been undertaken by the institution and a revenue of Rs.24400/- was generated during the academic year 2020-2021. **(ANNEXURE-IX)**

11. Board resolved that 05 number of faculty members were been provided with corporate training and a revenue of Rs.15000/- was generated by the institution during the academic year 2020-2021. **(ANNEXURE-X)**

12. Board resolved that 05 number of sponsored research projects were been undertaken by the institution and a revenue of Rs.1,36,000/- was generated during the academic year 2020-2021. **(ANNEXURE-XI)**

13. Board resolved that around 70 numbers of awards, appreciations and recognitions were received by the institution, faculty members and students in extension activities during academic year 2020-2021. **(ANNEXURE-XII)**

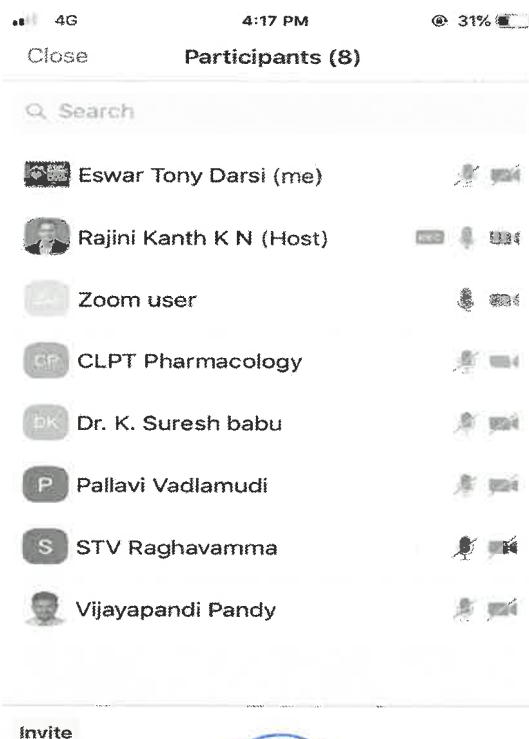
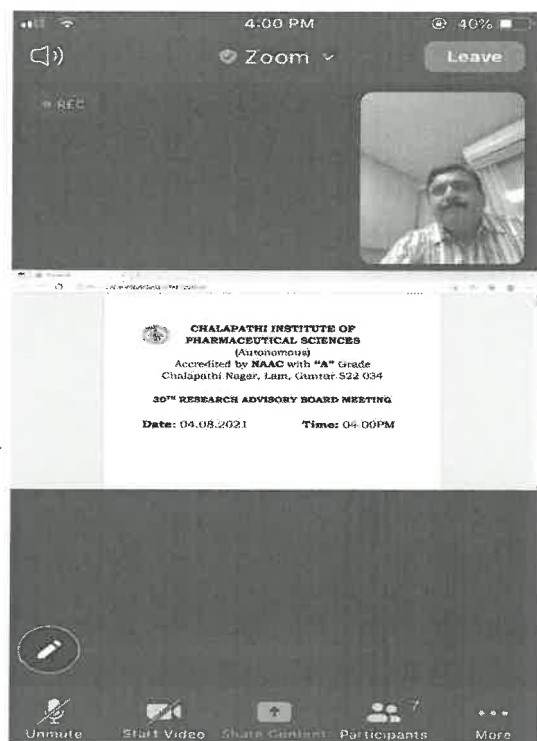



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30TH RESEARCH ADVISORY BOARD MEETING
(ONLINE THROUGH ZOOM PLATFORM, MEETING ID: 734 5010 8637)
DATE: 04/08/2021, TIME: 04.00PM



K. Suresh Babu
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30TH RESEARCH ADVISORY BOARD MEETING

(online)

S. No	Name of the Member	Designation	E-Mail ID/Contact Number
01	Prof. Rama Rao Nadendla	Principal, Chalapathi Institute of Pharmaceutical Sciences, Guntur	9440101685 principalclpt@gmail.com <i>04/8/2021</i>
02	Dr. K.Suresh Babu	Senior Scientist, Natural Products Chemistry Division, IICT, Hyderabad.	9963999220 suresh@iict.res.in <i>online</i>
03	Dr. Prasanna Sagar	Director, Orbicular Pharmaceutical Technology Pvt Ltd, Hyderabad	7702964209 prasannasagar@rediff.com <i>online</i>
04	Prof. A. Narendra Babu	Professor and HOD, Chalapathi Institute of Pharmaceutical Sciences, Guntur	9849010007 narendraankem@rediffmail.com <i>4/8/2021</i>
05	Dr. Vijay Pandey Pandi	Professor, Chalapathi Institute of Pharmaceutical Sciences, Guntur	9994357882 pandiphd@gmail.com <i>04/08/2021</i>
06	Dr. S.T.V.Raghavamma	Associate Professor, Chalapathi Institute of Pharmaceutical Sciences, Guntur	9885968197 stvraghavamma@gmail.com <i>S.T.V. Raghavamma 4/8/2021</i>
07	Dr. V.Pallavi	Associate Professor, Chalapathi Institute of Pharmaceutical Sciences, Guntur	8328289725 mailtopallu@gmail.com <i>Pallavi V 04/08/2021</i>
08	Mr. D.Eswar Tony	Assistant Professor, Chalapathi Institute of Pharmaceutical Sciences, Guntur	9494585056 tonypharmacology@gmail.com <i>D. A. T 4/8/2021</i>



Principal
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DST-SERB PROGRESS REPORT

1. Project Title: "Novel Drug Discovery from Natural Products for the Treatment of Alcohol Dependence and Withdrawal".	DST No: "CRG/2018/000813"
2. PI (Name & Address): Prof Dr. VIJAYAPANDI PANDY Department of Pharmacology Chalapathi Institute of Pharmaceutical Sciences (AUTONOMUS), Chalapathi Nagar, Lam, Guntur Andhra Pradesh-522034.	Date of Birth 17 Feb 1975
3. Co-PI (Name & Address): i) Prof Dr. RAMA RAO NADENDLA Department of Pharmaceutics Chalapathi Institute of Pharmaceutical Sciences (AUTONOMUS), Chalapathi Nagar, Lam, Guntur Andhra Pradesh-522034. ii) Assoc Prof Dr. S.T.V. RAGHAVAMMA Department of Pharmaceutics Chalapathi Institute of Pharmaceutical Sciences (AUTONOMUS), Chalapathi Nagar, Lam, Guntur Andhra Pradesh-522034.	Date of Birth 15 Mar 1963 21 Jun 1977
4. Broad area of Research: Health Sciences 4.1 Sub Area: Life Sciences	
5. Approved Objectives of the Proposal: <ul style="list-style-type: none"> To investigate the anticraving potential of scopoletin and rutin (bioactive phytoconstituents from <i>M. citrifolia</i> L fruit) using alcohol dependence mouse models. To evaluate the effect of scopoletin and rutin against alcohol withdrawal syndrome using mouse models. To study the intervention of scopoletin and rutin on the levels of brain neurotransmitters (monoamines), and plasma corticosterone and prolactin in alcohol-addicted and alcohol-withdrawn mice. To examine the intervention of scopoletin and rutin on the effects of alcohol exposure and withdrawal on molecular pathways within the mesolimbic dopaminergic system in mice. 	
Date of Start: 08/11/2019	Total cost of Project: Rs. 33,99,400
Date of completion: 07/11/2022	Expenditure as on 07/11/2020: Capital – Rs 68,500 General – Rs 10,27,202



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1. Methodology: 1500 char (Half page)

I. BEHAVIOURAL PROCEDURES FOR ALCOHOL DEPENDENCE IN MICE

1. Runway model of mouse drug self-administration

The operant runway apparatus consisted of three long runways arranged in a zig-zag manner (Pandy & Khan, 2016). The methodology consisted of six distinct phases: habituation, preconditioning, conditioning, post-conditioning, extinction and reinstatement. The ethanol at a dose of (20%v/v, 12 ml/kg, i.p.) was administered in the goal box during the conditioning phase (day 1 to day 5). The subjects' motivation to seek ethanol on day 6 (expression) was studied. Then non-rewarded extinction trials for 5 days were performed. After 5 days of abstinence with one-day break, a priming ethanol (4%v/v, 12ml/kg, i.p.)-induced reinstatement was studied. The effect of scopoletin (0.05, 0.1, 0.5 mg/kg, p.o.) and a reference drug naltrexone Hcl (10 mg/kg, p.o.) on expression (craving), extinction (abstinence) and reinstatement (relapse) was studied in mice.

II. BEHAVIOURAL PROCEDURES FOR ALCOHOL WITHDRAWAL IN MICE

1. Alcohol withdrawal-induced anxiety and depression:

For inducing alcohol dependence, the mice were injected with ethanol (15, 17.5 and 20%v/v, i.p) thrice daily for 8 days and a single morning dose on the 9th day as reported with modifications (Zhou and Kalivas, 2008). 24h later the last dose of ethanol, all behavioural withdrawal studies related to anxiety and depression were carried out. Based on this study, 17.5 %v/v ethanol dose was chosen for further withdrawal study. The effect of rutin (50, 100 mg/kg, p.o.) and the reference drugs diazepam (1 mg/kg, i.p.) and desipramine (10 mg/kg, i.p.) on anxiety and depression-like behaviour was studied in alcohol (17.5%v/v) withdrawn mice. Meanwhile, the effect of rutin *per se* on normal anxiety and depression behaviour in mice was studied.

2. Salient Research Achievements:

7.1 Summary of Progress 5000 Char (3 page)

Effect of scopoletin on expression of ethanol-induced runtime in mouse model of drug self-administration

Two-way ANOVA results revealed a significant effect of Treatment [$F(5, 40) = 3.158$; $P = 0.0170$] and Treatment \times Trial interaction [$F(5, 40) = 2.415$; $P = 0.0527$] and a non-significant effect of Trial [$F(1, 40) = 2.569$; $P = 0.1168$]. The *post hoc* Sidak's multiple comparison test revealed there was no significant difference among different treatment groups on preconditioning runtimes whereas a significant difference in runtime was observed on postconditioning day (**Fig 1**). Ethanol-control group showed a significant ($p < 0.05$) decrease in runtime when compared to the saline-control group. Scopoletin (0.1 and 0.5 mg/kg, p.o.) significantly ($p < 0.01$) reversed the faster run due to ethanol craving in mice which was comparable with the reference drug naltrexone (10 mg/kg, p.o.)-treated group ($p < 0.001$). This study results demonstrated that the mice conditioned with ethanol (20%v/v; 12 ml/kg) exhibited the ethanol seeking behavior in a modified runway model of drug self-administration. Scopoletin (0.1 and 0.5 mg/kg, p.o.) and naltrexone (10 mg/kg, p.o.) significantly inhibited the ethanol seeking behavior in mice (**Fig 1**).

Effect of scopoletin on extinction of ethanol-induced runtime in mouse model of drug self-administration

The repeated measures two-way ANOVA demonstrated a significant effect on Treatment [$F(5, 35) = 8.825$; $P < 0.0001$] and non-significant effect on extinction trials [$F(4, 28) = 1.156$; $P = 0.3511$ and Treatment \times Trial interaction [$F(20, 140) = 0.7915$; $P = 0.7202$]. The *post hoc* Sidak's multiple comparison test revealed a significant decrease in run time was observed for ethanol control group when compared with the saline control group during the 5 days of extinction trials. Interestingly, scopoletin (0.05, 0.1 and 0.5 mg/kg, p.o.) and naltrexone (10 mg/kg, p.o.) significantly reversed the ethanol-induced run time during 5-days of extinction trials (**Fig 2**). This result suggested the therapeutic potential of scopoletin to treat ethanol seeking during the abstinence period of alcohol dependence.



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Effect of different doses of alcohol withdrawal in anxiety mouse models

Open Field Test (OFT)

One-way ANOVA results revealed the different alcohol withdrawal groups (EtOH 15%v/v, 17.5%v/v and 20%v/v) significantly [F (3, 33) = 3.900; P = 0.0172] decreased the number of line crossings in central arena of open field test in mice (**Fig 3a**). However, these different doses of ethanol did not significantly [F (3, 33) = 0.05810; P = 0.9813] alter the number of line crossings in peripheral arena of open field test in mice (**Fig 3b**). Moreover, the percentage number of entries in central arena with respect to total number of line crossings in central and peripheral arena was found to significant [F (3, 33) = 3.651; P = 0.0223] (**Fig 3c**).

Elevated Plus Maze Test (EPM)

One-way ANOVA results revealed the different alcohol withdrawal groups (EtOH 15%v/v, 17.5%v/v and 20%v/v) significantly [F (3, 33) = 7.429; P = 0.0006] decreased the percentage time spent in open arm (**Fig 4a**). However, these treatment groups did not alter the percentage number of open entry [F (3, 33) = 0.3256; P = 0.8068] in mice elevated plus maze test (**Fig 4b**).

Marble burying test (MBT)

One-way ANOVA results revealed the different alcohol withdrawal groups (EtOH 15%v/v, 17.5%v/v and 20%v/v) significantly [F (3, 34) = 2.913; P = 0.0484] increased the number of marbles burying in mice (**Fig 5**).

Effect of different doses of alcohol withdrawal in depression mouse models

Tail Suspension Test (TST)

One-way ANOVA results revealed the different alcohol withdrawal groups (EtOH 15%v/v, 17.5%v/v and 20%v/v) significantly [F (3, 43) = 4.286; P = 0.0099] decreased the immobility time and significantly [F (3, 43) = 7.523; P = 0.0004] increased the number of escape attempts in mice tail suspension test (**Fig 6a and 6b**).

Forced Swim Test (FST)

One-way ANOVA results revealed the different alcohol withdrawal groups (EtOH 15%v/v, 17.5%v/v and 20%v/v) non-significantly [F (3, 41) = 1.830; P = 0.1568] decreased the immobility time in mice forced swim test (**Fig 7**).

Effect of different doses of rutin *per se* in anxiety mouse models

Open Field Test (OFT)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 25, 50, 100, 300 and 500 mg/kg, p.o.) significantly [F (6, 58) = 3.457; P = 0.0055] increased the number of line crossings in central arena of open field test in mice. However, these different doses of rutin did not significantly [F (6, 58) = 1.749; P = 0.1259] alter the number of line crossings in peripheral arena of open field test in mice. Moreover, the percentage number of entries in central arena with respect to total number of line crossings in central and peripheral arena was found to significant [F (6, 58) = 4.639; P = 0.0006] (**Fig 8**).

Elevated Plus Maze Test (EPM)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 25, 50, 100, 300 and 500 mg/kg, p.o.) significantly [F (6, 59) = 4.388; P = 0.0010] increased the percentage time spent in open arm. However, these treatment groups did not alter the percentage number of open entry [F (6, 59) = 1.110; P = 0.3678] in mice elevated plus maze test (**Fig 9**).

Marble burying test (MBT)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 25, 50, 100, 300 and 500 mg/kg, p.o.) significantly [F (6, 59) = 4.310; P = 0.0011] decreased the number of marbles burying in mice (**Fig 10**).



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Effect of different doses of rutin *per se* in depression mouse models

Tail Suspension Test (TST)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 25, 50, 100, 300 and 500 mg/kg, p.o.) significantly [F (6, 60) = 6.666; P < 0.0001] increased the number of escape attempts and significantly [F (6, 60) = 2.315; P = 0.0446] decreased the immobility time in mice tail suspension test (Fig 11).

Forced Swim Test (FST)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 25, 50, 100, 300 and 500 mg/kg, p.o.) significantly [F (6, 58) = 4.968; P = 0.0004] decreased the immobility time in mice forced swim suspension test (Fig 12).

Effect of different doses of rutin in alcohol withdrawal-induced anxiety mouse models

Open Field Test (OFT)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 50 and 100 mg/kg, p.o.) and diazepam (Diaz 1 mg/kg, p.o.) significantly [F (4, 35) = 4.577; P = 0.0044] increased the number of line crossings in central arena and non-significantly altered the number of line crossings in peripheral arena [F (4, 35) = 2.423; P = 0.0665] of open field test in alcohol withdrawn (AW) mice. Moreover, the percentage number of entries in central arena with respect to total number of line crossings in central and peripheral arena was found to significant [F (4, 35) = 5.306; P = 0.0019] (Fig 13).

Elevated Plus Maze Test (EPM)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 50 and 100 mg/kg, p.o.) and diazepam (Diaz 1 mg/kg, p.o.) significantly [F (4, 35) = 3.619; P = 0.0143] increased the percentage time spent in open arm and the percentage number of open entry [F (4, 35) = 2.718; P = 0.0452] in alcohol withdrawn (AW) mice elevated plus maze test (Fig 14).

Marble burying test (MBT)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 50 and 100 mg/kg, p.o.) and diazepam (Diaz 1 mg/kg, p.o.) significantly [F (4, 35) = 6.574; P = 0.0005] decreased the number of marbles burying in alcohol withdrawn (AW) mice (Fig 15).

Effect of different doses of rutin in alcohol withdrawal-induced depression mouse models

Tail Suspension Test (TST)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 50 and 100 mg/kg, p.o.) and desipramine (Desi 10 mg/kg, p.o.) significantly [F (4, 35) = 3.794; P = 0.0115] increased the number of escape attempts and significantly [F (4, 35) = 7.361; P = 0.0002] altered the immobility time in alcohol withdrawn (AW) mice tail suspension test (Fig 16).


Forced Swim Test (FST)

One-way ANOVA results revealed the different doses of rutin-treated groups (Rut 50 and 100 mg/kg, p.o.) and desipramine (Desi 10 mg/kg, p.o.) significantly [F (4, 32) = 3.488; P = 0.0179] decreased the immobility time in alcohol withdrawn (AW) mice forced swim suspension test (Fig 17).

Sucrose preference test (SPT)

The different doses of rutin-treated groups (Rut 50 and 100 mg/kg, p.o.) and desipramine (Desi 10 mg/kg, p.o.) markedly increased the sucrose consumption ratio in alcohol withdrawn (AW) mice using sucrose preference test (Fig 18).




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7.2 New Observations: 1500 Char (Half page)

We standardized ethanol-withdrawal protocol in mice using different doses of ethanol (15, 17.5 and 20%v/v, 12 ml/kg). In this study, ethanol-withdrawn animals were tested in anxiety-related animal models such as the OFT, EPM, and MBT and depression-related animal models such as TST and FST. Anxiety-like effect on ethanol-withdrawn mice were observed in all anxiety-related animal models. However, ethanol-withdrawn mice failed to increase the immobility time (state of depression) in TST and FST. On the converse, ethanol-withdrawn mice showed a significant decrease in immobility time in TST. We postulated that ethanol-withdrawal induced excitability in mice that led to decrease in immobility time. The manuscript is under preparation to submit it to the journal, "Behavioral Pharmacology".

7.3 Innovations: 5 lines 250 char

The investigational drug, scopoletin showed anti-craving effect even at very low doses (0.05, 0.1, 0.5 mg/kg, p.o.) as comparable with the reference drug, naltrexone (10 mg/kg, p.o.) against alcohol dependence in mouse modified runway paradigm of drug self-administration. The investigational drug, rutin (50, 100 mg/kg, p.o.) exhibited an attenuating effect on alcohol withdrawal-induced anxiety-like behavior using OFT, EPM and MBT and depression-like behavior using TST, FST and SPT in mice. These prototype drugs, scopoletin and rutin will be patented for the treatment of alcohol dependence and withdrawal respectively.

7.4 Application Potential:

7.4.1 Long Term (150 char)

The prototype drugs scopoletin and rutin have the therapeutic potential to treat alcohol dependence and withdrawal.

7.4.2 Immediate (150 char)

The preclinical findings from the present studies can be extended to clinical trials for the therapeutic potential of scopoletin and rutin for the treatment of alcohol dependence and withdrawal.

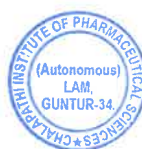
7.5 Any other 250 char

The derivatives of these prototype type drugs (scopoletin and rutin) could be synthesized based on rational drug design and it could be subjected to preclinical studies for novel drug discovery for the treatment of alcohol dependence and withdrawal.

Research work which remains to be done under the project (for on-going projects) 500 char

The molecular mechanisms involved in the therapeutic potential of scopoletin and rutin against alcohol dependence and withdrawal are yet to be elucidated.

PhDs Produced no: Nil	Technical Personnel trained:	Research Publications arising out of the present project:
No. of PhD pursuing: 01	SRF:01	i) SCI- Journals : 02
	Masters students: 05	ii) Book Chapter : 01
		ii) Non-SCI Journals : 02



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List of Publications from this Project (including title, author(s), journals & year(s))

(A) Papers published only in cited Journals(SCI)

1. Vijeepallam K, **Pandy V***, Murugan DD, Naidu M (2020). Methanolic Extract of *Mitragyna speciosa* Korth Leaf Exhibits Place Preference Only at Higher Doses in Mice. Pharmacognosy Magazine 16: 449-454. DOI: https://doi.org/10.4103/pm.pm_62_20.
2. Teng Lum, P., Sekar, M., Hua Gan, S., **Pandy, V.**, & Reddy BS. (2020). Protective Effect of Mangiferin on Memory Impairment: A Systematic Review. Saudi Journal of Biological Sciences. DOI: <https://doi.org/10.1016/j.sjbs.2020.11.037>.

(B) Papers published in Conference Proceedings, Popular Journals etc.

Book Chapter in Elsevier Publications

1. **Pandy V***, Bonam SR, Raya AR and Nadendla RR, Morinda citrifolia Linn. (Noni) fruit, antioxidant effects, and neuroprotection. In: Colin R. Martin and Victor R. Preedy (eds.) Oxidative Stress and Dietary Antioxidants in Neurological Diseases (ISBN: 978-0-12-817780-8). Burlington: Academic Press, 2020. pp. 291-307. DOI: <https://doi.org/10.1016/B978-0-12-817780-8.00019-0>.

Non-SCI Journals

1. Khan Y and **Pandy V*** (2020). *Morinda citrifolia* Linn (Noni) fruit extract attenuates ethanol seeking behavior in mouse runway paradigm. Journal of Research in Pharmacy 24(5): 632-639. <http://dx.doi.org/10.35333/jrp.2020.218>.
2. **Pandy V*** (2020). A Simple Method for Animal Dose Calculation in Preclinical Research. EC Pharmacology and Toxicology 8(3): 01-02. <https://www.econicon.com/ecpt/ECPT-08-00432.php>

Patents filed/to be filed: "Therapeutic potential of scopoletin (7-Hydroxy-5-methoxycoumarin) for the treatment of alcohol dependence".

Major Equipment(Model and Make)

S No.	Sanctioned List	Procured (Yes/No) Model & make	Cost (Rs in lakhs)	Working (Yes/No)	Utilization Rate(%)
1.	Western blot unit	Yes Model: B1000A Make: Thermo Fisher Scientific	Rs 68,500	Yes	40%

Upload Images of equipment's.

Q. V. P. J.
23/11/2020
CDR. P. VIJAYAPANDI



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DST-SERB PROJECT

PAPERS AND BOOK CHAPTER PUBLISHED

Principle Investigator: Prof Dr. Vijayapandy Pandy

Project Title: "Novel Drug Discovery from Natural Products for the Treatment of Alcohol Dependence and Withdrawal".

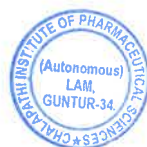
Approval No: CRG/2018/000813

Papers published:

1. Khan Y and **Pandy V*** (2020). *Morinda citrifolia* Linn (Noni) fruit extract attenuates ethanol seeking behavior in mouse runway paradigm. Journal of Research in Pharmacy, 24(5):632-639. <http://dx.doi.org/10.35333/jrp.2020.218>. (**Emerging Sources Citation Index (ESCI) and Scopus**).
2. Pandy V* (2020). A Simple Method for Animal Dose Calculation in Preclinical Research. EC Pharmacology and Toxicology 8(3): 01-02. <https://www.econicon.com/ecpt/ECPT-08-00432.php> (PubMed indexed).
3. Lum, P. T., Sekar, M., Gan, S. H., Pandy, V., & Bonam, S. R. (2021). Protective effect of mangiferin on memory impairment: A systematic review. Saudi Journal of Biological Sciences 28 (1):917-927. doi:<https://doi.org/10.1016/j.sjbs.2020.11.037> (**SCI Impact factor: 2.802**).
4. Vijeepallam K, **Pandy V***, Murugan DD, Naidu M (2020). Methanolic Extract of *Mitragyna speciosa* Korth Leaf Exhibits Place Preference Only at Higher Doses in Mice. Pharmacognosy Magazine 16: 449-454. DOI: <http://dx.doi.org/10.4103/pm.pm.62.20>. (**SCI Impact factor: 1.31**).

Book chapter published:

1. **Pandy V**, Bonam SR, Raya AR and Nadendla RR, *Morinda citrifolia* Linn. (Noni) fruit, antioxidant effects, and neuroprotection. In: Colin R. Martin and Victor R. Preedy (eds.) Oxidative Stress and Dietary Antioxidants in Neurological Diseases (ISBN: 978-0-12-817780-8). 3 2020. pp. 291-307. DOI: <https://doi.org/10.1016/B978-0-12-817780-8.00019-0>.



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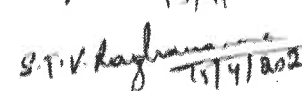
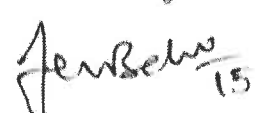

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GUNTUR-522034, ANDHRA PRADESH
SERB-DST PROJECT 2019**

Ref.: CLPT/SERB/2019

**COMMITTEE FOR SELECTION OF SENIOR RESEARCH FELLOW UNDER
DST-SERB PROJECT**

01. With reference to DST-SERB project granted (File Number CRG/2018/000813, dt:13/11/2019) an advertisement for invitation of applications for Senior Research Fellow were circulated among all institutions.
02. Six (06) number of applications were received for Senior Research Fellow and were scrutinized and invited two (02) eligible candidates for the interview.
03. In accordance to the interview, which was held on 04/12/2019, Mrs. Asiya Begum was second in-line to be selected as a Senior Research Fellow.
04. For that we selected Mrs. Asiya Begum on 15/04/2021 for the post of Senior Research Fellow as the previous candidate Miss Bommala Supraja had resigned for the said post.

SELECTION COMMITTEE:

- | | |
|--------------------------------------|--|
| 01. Prof. Rama Rao Nadendla | Programme Convener  15/04/2021 |
| 02. Prof. A. Narendra Babu | Member  15/4/2021 |
| 03. Dr. S. T. V. Raghavamma | Member  15/4/2021 |
| 04. Prof. K. Suresh Babu | Member  15/4/2021 |
| Principal Scientist, IICT, Hyderabad | |
| 05. Prof. Dr. Vijayapandi Pandey | Principal Investigator.  15/04/2021 |

Place: Guntur
Date: 15/04/2021

(Prof. Rama Rao Nadendla)
Principal



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SEED MONEY GRANT FOR TEACHING STAFF (2020-2021)

S. No	Academic Year	Name of the Faculty/ Student	Details	Amount In Rupees
1	2020-2021	P. Abhinandana	A Validated high performance liquid chromatographic method for the quantification of Favipiravir by PDA Detector	15,000/-
2	2020-2021	P. Abhinandana	A New derivative and Non derivative UV Spectroscopic approach for quantification of Simvastatin & Sitagliptin in bulk & pharmaceutical formulation	3000/-
3	2020-2021	P. Prachet	Physico-chemical characterization of Podiperidone Palmitate & compatibility studies with its Pharmaceutical excipients	10,000/-
4	2020-2021	N. Kamakshi Devi	Estimation of Saxagliptin in pharmaceuticals –A review	3075/-
Total				Rs. 31075/-



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WORKSHOPS/SEMINARS CONDUCTED ON RESEARCH METHODOLOGY, INTELLECTUAL PROPERTY RIGHTS (IPR), ENTREPRENEURSHIP AND SKILL DEVELOPMENT (ACADEMIC YEAR: 2020-21)

S.No	Date	Name of the Workshop / Seminar	No. of Participants
		RESEARCH METHODOLOGY	
01	25/07/2020	Appraisal of research literature – Evidence Based Practice	95
02	03/09/2020	Chi – square test and its importance in Clinical studies	130
03	11/09/2020	Competence in Scientific Writing	110
04	05/12/2020 & 06/12/2020	Research methodology	58
		INTELLECTUAL PROPERTY RIGHTS	
05	22/07/2020	Regulatory Filings	98
06	18/03/2021 & 19/03/2021	Intellectual Property Rights	96
		ENTREPRENEURSHIP	
07	09/09/2020	Entrepreneurship skills	98
08	15/12/2020	Opportunities in Health care startups	98
09	26/02/2021 to 03/03/2021	National workshop on entrepreneurship for pharma and health care startups	118
10	15/03/2021	Entrepreneurship Skills: Campus to Corporate: Successful Interview and essential qualities needed for fresh pharmacy graduates	112
		SKILL DEVELOPMENT	
11	26/11/2020 to 28/11/2020	Recent trends in experimental pharmacology and analysis of crude drugs	120
12	03/12/2020 to 05/12/2020	Advances in formulation and evaluation of novel drug delivery systems	120
13	09/12/2020 to 12/12/2020	Handling and Training on Analytical Instruments & Patent Filing and processing	135



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S.No	Date	Name of the Workshop / Seminar	No. of Participants
14	11/12/2020 to 12/12/2020	Community Pharmacy - Entrepreneurship Skills	30
15	22/12/2020	Workshop on life skills	110
16	23/12/2020 to 24/12/2020	Advanced Pharmacokinetic principles and molecular biotechnique practices	95
17	11/01/2021	How to conduct a Systemic Review	58
18	10/02/2021 to 13/02/2021	Life Skills	125
19	24/02/2021	Communication Skills and Interview Skills	92



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ANNEXURE-V

**NUMBER OF STUDENTS UNDERTAKING PROJECTS/PRACTICE SCHOOL/CLERKSHIPS/INTERNSHIPS
(ACADEMIC YEAR: 2020-21)**

S. No.	Names of the Programme	No. of Students undertaking students projects	No. of Students undertaking Practice school	No. of Students undertaking Clerkship	No. of Students undertaking Internships	Total No. of Students undertaking projects/ internships/ clerkships/
1	B. Pharmacy	98	98	-	-	196
2	Pharm. D	28	-	28	29	85
3	Pharm. D(PB)	02	-	02	01	05
4	M. Pharmacy (Pharmaceutics)	12	-	-	-	12
	M. Pharmacy (Industrial Pharmacy)	02	-	-	-	02
5	M. Pharmacy (Pharmaceutical Analysis)	15	-	-	-	15
6	M. Pharmacy (Pharmacology)	13	-	-	-	13
7	M. Pharmacy (Pharmaceutical Management & Regulatory Affairs)	13	-	-	-	13
Total						341



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**TOTAL AMOUNT SPENT ON DEVELOPING FACILITIES, TRAINING
TEACHERS AND STAFF FOR UNDERTAKING CONSULTANCY
(ACADEMIC YEAR: 2020-21)**

S.No.	FACILITY DEVELOPED	AMOUNT(Rs.)	DATE
01	BPL SMART OXIMETER	2801.00	10/08/2020
02	DIGITAL BP MONITOR	1899.00	10/08/2020
03	ELECTRONIC WEIGHING BALANCE	1099.00	07/10/2020
04	TABLET HARDNESS TESTER MONSANTO	1850.00	26/11/2020
05	VERNIER CALIPER	419.00	26/11/2020
06	SCREW GAUGE	100.00	26/11/2020
07	MICRO PIPETTE 100ul TO 1000ul	4531.00	22/12/2020
08	MICRO PIPETTE 10ul TO 100ul	4531.00	31/12/2020
09	ELECTRONIC WEIGHING BALANCE	13742.00	18/01/2021
Total		30972/-	

**TRAINING PROGRAMMES FOR STAFF FOR SUPPORTING
CONSULTANCY ACTIVITIES**

S.No.	Name of the Staff	Name of the Training Programme	Date(s)
01	Sk.Sanavulla G.Sriramulu B.Ramu	Tally ERP9 software-An accountancy software training	13/11/2020 and 14/11/2020
02	G.Srinivasa Rao Sk.Rabbani D.Teja	Cleaning and maintenance of glassware	09/12/2020
03	G.Raju R.Nagamani Sk.Rabbani G.Srinivasa Rao S.Kumari D.Teja	Microwave synthesizer and parallel synthesizer	09/12/2020 to 14/12/2020



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S.No.	Name of the Staff	Name of the Training Programme	Date(s)
04	G.Srinivasa Rao Sk.Rabbani D.Teja	Cleaning and Maintenance of HPLC/HPTLC	10/12/2020 and 11/12/2020
05	R.Nagamani G.Srinivasa Rao G.Raju Sk.Rabbani D.Teja	Preparation, Handling and maintenance of common reagents and solutions	11/12/2020
06	G.Srinivasa Rao Sk.Rabbani D.Teja	Cleaning and maintenance of Zetasizer/DSC/FTIR	11/12/2020 and 12/12/2020
07	G.Srinivasa Rao Sk.Rabbani D.Teja	Cleaning and maintenance of dissolution test apparatus and cooling centrifuge	12/12/2020
08	T.Sai Trinadh R.Chandu K.Venkateswarlu S.Kumari	Cleaning, repairing and maintenance of compound microscope	14/12/2020
09	G.Srinivasa Rao M.N.Malleswara Rao Sk.Rabbani I.Babu G.Aruna Kumari	Cleaning and maintenance of spray dryer/film coater/R & D coater	15/12/2020
10	G.Srinivasa Rao M.N.Malleswara Rao K.Venkateswarlu G.Aruna Kumari Sk.Rabbani I.Babu	Maintenance of fluidized bed dryer and pelletiser/kalweka all-purpose equipment	16/12/2020
11	G.Srinivasa Rao M.N.Malleswara Rao K.Venkateswarlu G.Aruna Kumari Sk.Rabbani I.Babu	Maintenance of fluidized bed dryer and pelletiser/kalweka all-purpose equipment	16/12/2020
12	T.Trinadh R.Chandu K.Venkateswarlu G.Raju	Maintenance of laboratory animal house facilities	16/12/2020
13	G.Nagaraju A.Aneesha Sk.Munwar K.N.Rajini Kanth	Instrumentation and applications of High performance Liquid Chromatography (HPLC)	16/12/2020



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S.No.	Name of the Staff	Name of the Training Programme	Date(s)
14	G.Srinivasa Rao Sk.Rabbani D.Teja	Cleaning and maintenance of UV-Visible spectrophotometers	18/12/2020
15	J.Venkateswa Rao P.Madhuri T.Sreenu	Clinirex hands on training, department file maintenance, training on pradhan mantra bharatiya janoushadi Kendra (PMBJK)	28/12/2020
16	Dr.G.Madhu Dr.S.T.V.Raghava mma Dr.V.Pallavi DR.Sk.Arifa Begum Ch.Sai Charitha Ch.Jyotshna Rani Asia Begum N.Mounika	Aerosol filling machine	28/01/2021
17	D.Eswar Tony Dr.A.Narendra Babu D.Nalini Devi T.Sreenu J.Nagalakshmi A.Sowjanya T.Joshianand	Runway model for drug self-administrative in mice	29/01/2021
18	G.Nagaraju P.Prachet P.Abhinandana A.Aneesha G.Vindhya	Handling and maintenance of vacuum pump	02/02/2021
19	K.Sandeep J.Venkateswarlu P.Madhuri T.Sreenu	Establishment of drug information (entre (DIC), maintenance of records in DIC	02/02/2021

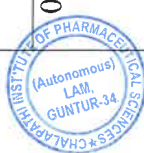


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PHARMACEUTICS

S.No	Title of Paper	Journal	Volume and Issue	Page no(s)	Author(s)	International/National	Impact factor	Indexed
01	Comparability Pathway for the Approval of similar Biologics with Respect to Reference Biologics in Europe and Brazil	Indian Journal of Pharmaceutica l Education and Research	Volume 54, Issue 02 (Suppl)	S19-531	Lakshmi Prasanthi N, Prasuna R	National	0.501	Google Scholar, J-Gate, Web of Science(WoS), Science Citation Index (SCI), Scopus
02	A Review on Chronopharmaceutical Drug Delivery System to Synchronize with Circadian Phythm Diseases	International Journal of Biology, Pharmacy and Allied Sciences	Volume 09, Issue 04	648-660	Vineela Deepthi O, Bhavani Prasanna Kumar B, Rama Rao Nadendla	International	---	Web of Science (WoS)
03	Formulation and Evaluation of Multi Herbal Face Wash Gel	International Journal of Biology, Pharmacy and Allied Sciences	Volume 09, Issue 05	916-925	Prasanna Durgam, Pallavi Vadlamudi and Rama Rao Nadendla	International	---	Web of Science (WoS)
04	Microspheres for Controlled Release Drug Delivery : An Overview on Preparation Methods and Characterization	International Journal of Biology, Pharmacy and Allied Sciences	Volume 09, Issue 03		Haneesha Sk, Venkata Ramana M, Rama Rao Nadendla	International	---	Web of Science (WoS)
05	Formulation and evaluation of Niosomal based herbal sunscreen spray	International Journal of Biology, Pharmacy and Allied Sciences	Volume 09, Issue 11	2942-2950	Chandirani P, Susmitha P, Baji Sk, Sravani T, Jyothika VL, Pallavi V, Rama Rao N	International	---	Web of Science (WoS)



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06	Design, Characterization and In-Vitro Evaluation of Favipiravir Orodispersible Films	Journal of pharmaceutical Research International	Volume 33, Issue 05	49-60	Kalyan Chakravarthy Y, Madhu G and Rama Rao Nadendla	International	---	Web of Science, Thomson Reuters, ESCI, DOI, US NLM, Index Copernicus, ProQuest
07	Mouth Dissolving Tablets of Favipiravir using Super disintegrants : Preparation, Optimization and In-vitro Evaluation	Journal of pharmaceutical Research International	Volume 33, Issue 06	28-39	D Avinash, Madhu G, M V Ramana, Pallavi V and Rama Rao Nadendla	International	---	Web of Science, Thomson Reuters, ESCI, DOI, US NLM, Index Copernicus, ProQuest

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PHARMACEUTICAL ANALYSIS

S.No	Title of Paper	Journal	Volume and Issue	Page no(s)	Author(s)	International/ National	Impact factor	Indexed
01	Method Development and Validation of Related Impurities for Assay of Olmesartan Medoxomil and Hydrochlorothiazide in Solid Oral Tablets by RP-HPLC	International Journal of Biology, Pharmacy and Allied Sciences	Volume 09, Issue 04	768-780	Damayanthi Y, Tejaswini N, Prachet P, Rajinikanth KN and Rama Rao Nadendla	International	1.318	Web of Science (WoS), NCBI, Thomson Router, ISI, CAS, Google Scholar,
02	Quantification of Atazanavir and Ritonavir in Human Plasma Samples by Rp-Hplc include method of Detection in the Title, Eg : Using Pda Detection	International Journal of Life Science and Pharma Research	Volume 10, Issue 02	26-33	Abhinandana P, Rama Rao Nadendla	International	---	Web of Science (WoS), Emerging Source Citation Index (ESCI), ISI, IARA, Index Copernicus, CAS

03	Quantification and Validation of Amlodipine Besylate, Olmesartan Medoxomil and Hydrochlorothiazide by RP-HPLC in marketed Dosage Form	International Journal of Pharmaceutical Sciences and Research	Volume 11, Issue 05	2350 – 2355	Abhinandana P, Rama Rao Nadendla	International	---	Thomson Reuters, Web of Science(WoS), Emerging Source Citation Index (ESCI), Corss Ref., Chemical Abstract, Scirus - Elsevier's, EBSCO, Google scholar
04	Analytical Method Development and Validation of Bicalutamide in Tablets by RP-HPLC and Qualitative Analysis of Cefazolin Sodium by Different Analytical Techniques	International Journal of Biology, Pharmacy and Allied Sciences	Volume 09, Issue 05	926-937	Sasi Reddy E, Divya V, Swathi K, Rajinikanth KN and Rama Rao Nadendla	International	1.318	Web of Science (WoS), NCBI, Thomson Router, ISI, CAS, Google Scholar,
05	A Simultaneous Estimation of Clotrimazole and its Impurities	International Journal of Life Sciences and Pharma Research	Volume 10, Issue 03	78 – 87	Abhinandana P, Rama Rao Nadendla	International	---	Web of Science(WoS), Emerging Source Citation Index (ESCI), ISI, IARA, Index Copernicus, CAS
06	Anti-Parkinsonian Drug Estimation by RP-HPLC	Journal of Pharmaceutical Research International	Volume 33, Issue 02	14-25	Rama Rao Nadendla, Patchala Abhinandana	International	---	Web of Science, Thomson Reuters, ESCI, DOI, US NLM, Index Copernicus, ProQuest
07	Method development and validation of quercetin obtained from the extraction of almond leaves by UV spectrophotometry and FTIR	International Journal of Botany Studies	Volume 06, Issue 02	52-57	N Sunitha, K Swathi, N Rama Rao	International	---	Web of Science, Thomson Reuters, Indexcopernic us, Cite factor, Google Scholar



08	Regulatory comparative studies for the registration process of bio similar products in Australia and Singapore	International Journal of Botany Studies	Volume 06, Issue 02	205-212	Sriakshmi Sowjanya reddy S, Koushik Yetukuri, Rama Rao Nadendla	International	---	Web of Science, Thomson Reuters, Indexcopernic us, Cite factor, Google Scholar
09	Physico-Chemical Characterization of Paliperidone Palmitate and compatibility studies with its Pharmaceutical Excipients	Journal of Pharmaceutical Research International	Volume 33, Issue 05	85-91	Rama Rao Nadendla, Prachet Pinnamaneni, Siva Prasad Moria and Patchala Abhinandana	International	---	Web of Science, Thomson Reuters, ESCI, DOI, US NLM, Index Copernicus, ProQuest
10	Estimation of rutin in Nelumbo nucifera leaves by HPTLC	International Journal of Botany Studies	Volume 06, Issue 02	58-62	Prachet P, Haritha D, Yogitha M, Jaswanth Kumar Ch, Rama Rao Nadendla	International	---	Web of Science, Thomson Reuters, Indexcopernic us, Cite factor, Google Scholar
11	A new derivative and non-derivative UV-spectroscopic approach for quantification of simvastatin and sitagliptin in bulk and pharmaceutical formulation	International Journal of Botany Studies	Volume 06, Issue 02	255-260	Rama Rao Nadendla, Abhinandana Patchala	International	---	Web of Science, Thomson Reuters, Indexcopernic us, Cite factor, Google Scholar
12	A Validated high Performance Liquid Chromatographic Method for the Quantification of Favipiravir by PDA Detector	International Journal of Life Science and Pharma Research	Volume 11, Issue 02	P181-P188	Rama Rao Nadendla, Abhinandana Patchala	International	---	Web of Science, ESCI ISI, IARA, Index Copernicus, Cas, Cite factor
13	Quantification of vitamin-B2, B6 in Spinacia oleracea by HPTLC	International Journal of Botany Studies	Volume 06, Issue 02	472-477	Lakshmi Bhavani D, Prachet P, Rama Rao Nadendla	International	---	Web of Science, Thomson Reuters, Indexcopernic us, Cite factor, Google Scholar



14	A novel quantitative estimation of antiviral drugs in combined dosage form by using RP-HPLC method	International Journal of Botany Studies	Volume 06, Issue 02	467-471	Siva Prasad M, Abhinandana P, Prachet P, Rama Rao Nadendla	International	---	Web of Science, Thomson Reuters, Index Copernicus, Cite factor, Google Scholar
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PERIOD: 2020 April TO 2021 March

PHARMACOLOGY

S.No	Title of paper	Journal	Volume & Issue	Page No.	Author(s)	Inter-national/ National	Impact Factor	Indexed
01	Evaluation of Cardioprotective Activity of Saponins (Sapindus Mukorossi) on Wistar Rats	International Journal of Biology, Pharmacy and Allied Sciences	Volume 09, Issue 04	781-790	Suneetha K, Madhuri Y, G Madhusudana Rao, J Naga Lakshmi, A Narendra Babu	International	1.318	Web of Science (WoS), NCBI, Thomson Router, ISI, CAS, Google Scholar
02	Synergistic Effect of Leaf Extracts of Ficus Hippida and Psidium Guajava for Anti-Diabetic Activity on Wistar Rats	Research Journal of Pharmacy and Technology	Volume 13, Issue 06	1-4	M Mounica, G Tanuja Lakshmi, K Manaswini, D Eswar Tony, A Narendra Babu	International	---	Scopus, Pro Quest Central CAS, CAB, Indian Citation Index, Indian Science Abstracts
03	Evaluation of anti-psoriatic activity of selected phytochemicals on UV-induced psoriasis in mouse tail model	Indian Journal of Physiology and Pharmacology	Volume 64, Issue 02	123-128	J Nagalakshmi, A Narendra Babu, Rama Rao Nadendla	National	---	Scopus, Google Scholar, National Science Library, Scimago, Scopus, Web of Science (WoS), Embase



04	Morinda citrifolia Linn. (Noni) fruit extract attenuates ethanol seeking behavior in mouse runway paradigm	Journal of Research in Pharmacy	Volume 24, Issue 05	632-639	Yasmin Khan, Vijayapandi Pandey	International	---	Scopus, Embase, Google Scholar, Index Copernicus, EBSCO, J-Gate, Web of Science(WoS), Emerging Source Citation Index(ESCI)
05	Methanolic Extract of Mitragyna speciosa Korth Leaf Exhibits Place Preference Only at Higher Doses in Mice	Pharmacognosy	Volume 16, Issue 71	449-454	Kamini Vijeeppallam, Vijayapandi Pandey, Dharmani Devi Murugan, Murali Naidu Kuppusamy	International	6.0	Scopus, NCBI, PubMed,
06	Protective effect of mangiferin on memory impairment : A Systematic review	Saudi Journal of Biological Sciences	Nov 2020	917 – 927	Pei Teng Lum, Mahendran Sekar, Siew Hua Gan, Vijaypandi Pandey, Srinivasa Reddy Bonam	International	2.802	Science Citation Index (SCI), Scopus, Web of Science, Pubmed, DOAJ, Ebscohost

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PHARMACY PRACTICE

S.No	Title of Paper	Journal	Volume and Issue	Page no(s)	Author(s)	International /National	Impact factor	Indexed
01	Assessment of Quality of life in patients with metastatic breast cancer and its pharmaceutical management in tertiary care hospital : A Prospective Observational study	Value in Health	Sep 2020		Nallani Venkata Rama Rao , Rama Rao Nadendla	International	4.74	Science Citation Index (SCI), Web of Science, Scopus



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DETAILS OF PATENT GRANTED AND PUBLISHED

1. Patent Granted: (01)

Applicant Name: Prof.Rama Rao Nadendla

Title: Formulation of glimepride controlled release transdermal patches by using natural polymers

Patent No. : 364724

Patent Granted Date : 15/04/2021

Patents Published: (14)

1. Applicant Name: Vadlamudi Pallavi

Title: Design, Development and characterization of transdermal delivery system of saxagliptin for the treatment of diabetes mellitus

Application No: 201841040263

Patent Publication Date : 01/05/2020

2. Applicant Name : K.Chandralekha

Title : Integrated SFC-IR-NMR-MASS device for the separation detection, characterization and quantification

Application No. : 201841040692

Patent Publication Date : 01/05/2020

3. Applicant Name : Shaik Mastan vali

Title : Method development and validation for simultaneous estimation of fenofibrate and simvastatin

Application No. : 201841040687

Patent Publication Date : 01/05/2020

4. Applicant Name : Bhumireddy Koteswari

Title : Synergistic herbal extract formulation for the management of anti-fungal and anti-oxidant on human body

Application No. : 201841040697

Patent Publication Date : 01/05/2020

5. Applicant Name : Shaik Reshma

Title : Formulation and evaluation of candesartan cilexetil oral dissolving films

Application No. : 201841040689

Patent Publication Date : 01/05/2020




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6. Applicant Name : Pichikala Mounika

Title : Synergistic herbal extract formulation for the management of anti-inflammatory and anti-oxidant of human body

Application No. : 201841040698

Patent Publication Date : 01/05/2020

7. Applicant Name : Mamillapalli Bhargavi

Title : Anti-diabetic activity of quinazole derivative in alloxan induced rats

Application No. : 201841041596

Patent Publication Date : 08/05/2020

8. Applicant Name : Naidu Ayesha

Title : Fabrication and evaluation of orogel containing ferrous fumarate

Application No. : 201841041591

Patent Publication Date : 08/05/2020

9. Applicant Name : Ravula Sriharsha

Title : Extraction and isolation of cardio protective amygdalin glycoside malus domestica seeds

Application No. : 201841041593

Patent Publication Date : 08/05/2020

10. Applicant Name : Lalitha Mistry

Title : Synthesis of novel substituted benzimidazole derivatives as mannich bases and their anti bacterial activity

Application No. : 201841041583

Patent Publication Date : 08/05/2020

11. Applicant Name : Maram Murali Krishna

Title : Design and invitro evaluation of different viscosity grades of HPMC polymers with bees wax beads

Application No. : 201841043471

Patent Publication Date : 22/05/2020

12. Applicant Name : Inapakolla Gayathri Tejaswi

Title : Synergistic herbal extract formulation for the management of anti-inflammatory and anti-oxidation of human body

Application No. : 201841043446

Patent Publication Date : 22/05/2020

13. Applicant Name : Sivaram Teja

Title : Anti-bacterial and anti-fungal activity of herbal extract formulation and its evaluation

Application No. : 201841043475

Patent Publication Date : 22/05/2020

14. Applicant Name : Navya Devi Reddy and Om Sai Nidubrolu

Title : Safety device for I.V.cannula to truncate the formation of blood clot

Application No. : 201841045755

Patent Publication Date : 11/09/2020




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ANNEXURE-IX

CONSULTANCY

AY 2020-21

S.No	DATE	NAME OF FACULTY (CHIEF CONSULTANT)	CLIENT ORGANIZATION	TITLE OF CONSULTANCY PROJECT	AMOUNT RECEIVED (IN RUPEES)	DURATION (DAYS)
1	30/3/2021	P. Prachet	Ch. Prabhu kumar Siddhartha Pharmacy College Prabhukumar885515527@gmail.com	DSC Samples	2000	3
2	27/3/2021	P. Prachet	R. Subhakaran Singh K L University Vaddaswaram Guntur Subhakaranasingh91@gmail.com	Freeze drying	1500	3
3	23/2/2021	P. Prachet	8897531241 S. Girish VIT-AP girish.s@vitap.ac.in	UV-VIS	1000	1
4	6/2/2021	P. Prachet	7842543839 S. Girish VIT-AP girish.s@vitap.ac.in	UV-VIS	1200	1
5	30/1/2021	P. Prachet	7842543839 Sunil kumar Vishnu College of Pharmacy sunil@svcp.edu.in	Samples analysis by FTIR	1800	2



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6	25/1/2021	P. Prachet	R. Subhakaran Singh K L University Vaddaswaram Guntur Subhakaransingn91@gmail.com 8897531241	Samples analysis by FTIR	400	2
7	9/12/2020	P. Prachet	R. Subhakaran Singn K L University Vaddaswaram Guntur Subhakaransingn91@gmail.com 8897531241	Samples analysis by FTIR	100	1
8	5/12/2020	P. Prachet	S. Poorna Chandra Shekar Vignan University shekarsettipalli@gmail.com 7396613220	Samples analysis by FTIR	400	1
9	01/12/2020	P. Prachet	Y. Pavan kumar Reddy Vignan University Yeruvas582@gmail.com 8688297412	Samples analysis by FTIR	200	1
10	23/11/2020	P. Prachet	Dr.P. Venkateswara Rao RV&JC college of Engineering, Guntur, Pvr007.1@gmail.com 94490642727	Samples analysis by FTIR	1200	2
11	21/11/2020	P. Prachet	K.Sravanthi K L University, Vijayawada Sraavanthikurapati91@gmail.com 8187813763	Sample analysis by FTIR	800	1
12	12/11/2020	P. Prachet	Y. Lakshmi Suvama Sibar Institute of Dental Sciences, Takkellapadu ylsuvama@gmail.com 9985553122	Sample analysis by Humidity control oven	1000	2
13	12/11/2020	P. Prachet	J. Chiranjeevi Hindu college of pharmacy, Guntur. jakkachiranjeevi@gmail.com	Sample analysis by FTIR	2000	4



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14	06/11/2020	P. Prachet	D. Bhargavi Vignan University bhargavi301196@gmail.com 9652982490	Sample analysis by FTIR	900	3
15	26/09/2020	P. Prachet	M. Maruthi Rao ANU, Guntur chella.maruthi@gmail.com 9989068820	Sample analysis by FTIR, DSC, Viscosity, Conductance, Particle size analyzer	2100	2
16	16/09/2020	P. Prachet	T. Monica VIT-AP monica.tanniru@vitap.ac.in 8897971287	Sample analysis by FTIR	600	2
17	12/09/2020	P. Prachet	Sk. Amreen Shajeeya Vignan University amreenbintali@gmail.com 8790288282	Sample analysis by FTIR	500	2
18	12/09/2020	P. Prachet	N. Anil Kumar Vignan University nanilkumar108@gmail.com 8790288282	Sample analysis by FTIR	400	1
19	20/08/2020	P. Prachet	D. Bhargavi Vignan University bhargavi301196@gmail.com 9652982490	Sample analysis by FTIR	500	1
20	10/08/2020	P. Prachet	Y. Pavan Kumar Reddy Vignan University yeruva582@gmail.com 8688297412	Sample analysis by FTIR	200	1
21	08/08/2020	P. Prachet	T. Nagamalleswari Vignan University malliswari976@gmail.com 9912736647	Sample analysis by UV	1000	2



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22	16/06/2020	P. Prachet	K. Sai Bhavani K.L University saibhavani.06k@gmail.com 9030134647	Sample analysis by FTIR	2300	8
23	15/06/2020	P. Prachet	P. Sneha Latha K.L University, vanukuru.sneha@gmail.com 9959440700	Sample analysis by FTIR	2000	7
24	15/06/2020	P. Prachet	J. Suryachandram VFSTR University, Vaddlamudi. suryachandram.jkc@gmail.com 9160285753	Sample analysis by FTIR	300	1

Total number of Samples - 186

Total revenue generated - 24,400/-



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CORPORATE TRAINING (2020-2021)

S. No	Academic Year	Participants	Trained at	Details	Amount in Rupees
1	2020 – 2021	Mrs. P. Lavanya, Asst. Prof, Victoria College of Pharmacy, Nallapadu, Guntur	Department of Pharmaceutical Analysis	HPLC, HPTLC, Particle size analyzer, DSC	3000/-
2	2020 – 2021	Ms. G. Sri Devi, Asst. Prof, Victoria College of Pharmacy, Nallapadu, Guntur	Department of Pharmaceutical Analysis	HPLC, HPTLC, Particle size analyzer, DSC	3000/-
3	2020 – 2021	Mr. P. Jogeswara Rao, Asst. Prof, Siddartha Institute of Pharmaceutical Sciences, Narasaraopeta	Department of Pharmaceutical Analysis	HPLC, HPTLC, Particle size analyzer, DSC	3000/-
4	2020 – 2021	Ms. R. Lakshmi Durga, Asst. Prof, Siddartha Institute of Pharmaceutical Sciences, Narasaraopeta	Department of Pharmaceutical Analysis	HPLC, HPTLC, Particle size analyzer, DSC	3000/-
5	2020 – 2021	Mrs. Kota Anusha, Asst. Prof, K.C. Reddy Institute of Pharmaceutical Sciences, Medikonduru, Guntur	Department of Pharmaceutical Analysis	HPLC, HPTLC, Particle size analyzer, DSC	3000/-
Total					Rs.15000/-



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SPONSORED RESEARCH PROJECTS (2020-2021)

S. No	Academic Year	Name of the Company / Organization	Details	Amount in Rupees
1	2020 – 2021	Darwin Formulations Pvt. Ltd.	Design, development, optimization and dissolution profiles of Metoprolol Succinate Extended Release Pellets	45,000/-
2	2020 – 2021	Darwin Formulations Pvt. Ltd.	Anti Parkinsonian drug estimation by RPHPLC	10,000/-
3	2020 – 2021	Biophore India Pharmaceuticals Pvt. Ltd.	Quantification and validation of Pirfenidone by UV, HPLC and HPTLC methods	45,000/-
4	2020 – 2021	Biophore India Pharmaceuticals Pvt. Ltd.	Physicochemical characterization of Paliperidone Palmitate	21,000/-
5	2020 – 2021	Darwin Formulations Pvt. Ltd.	A Validated HPLC method for the quantification of favipiravir by PDA Detector	15,000/-
Total revenue generated				Rs.1,36,000/-



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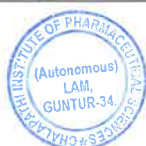
**AWARDS AND RECOGNITIONS RECEIVED BY THE INSTITUTION/
TEACHERS/STUDENTS FOR EXTENSION ACTIVITIES
(ACADEMIC YEAR: 2020-21)**

S.No	Date	Name	Event	Area of participation	Achievement
1.	20-04-2020 To 10-05-2020	Prof. K.N. Rajini Kanth	COVID-19 Emergency Operations	Humanitarian Service	Certificate of Appreciation
2.	01-05-2020 To 30-05-2020	Dr. A.Narendra Babu	The Novel Corona Virus – A Short View	Novel Corona Virus Awareness	Certificate of Appreciation
3.	30-05-2020	D. Eswar Tony	Online quiz	NBA Criteria's	Certificate of Appreciation
4.	05-06-2020	Dr. A.Narendra Babu	Online quiz	Novel Corona Virus Awareness	Certificate of Completion
5.	10-06-2020 To 16-06-2020	Dr. Vijaypandi Pandy	Delivered an Invited lecture as Resource person	International Seminar	Certificate of Appreciation
6.	17-06-2020	Dr. Vijaypandi Pandy	Participated as a Guest speaker	Webinar	Certificate of Appreciation
7.	01-07-2020	Chalapathi Institute of Pharmaceutical Sciences	Reporting of Adverse Drug Reactions, Guntur medical college	Adverse drug reactions	Certificate of Appreciation
8.	07-07-2020	Dr. Vijaypandi Pandy	Participated as a Guest speaker	National webinar Series	Certificate of Appreciation
9.	31-08-2020 To 05-09-2020	Dr. Vijaypandi Pandy	Delivered an Invited lecture as Resource person	International FDP	Certificate of Appreciation
10.	28-09-2020 To 02-10-2020	Prof. N. Rama Rao	Participated in the one week FDP	Virtual Faculty Capacity Building Workshop	Certificate of Participation
11.	28-10-2020	Chalapathi Institute of Pharmaceutical Sciences	MANAV-The Human Atlas Initiative	Workshop	Certificate of Participation
12.	02-11-2020	Dr. Vijaypandi Pandy	Delivered an Invited lecture as Resource person	International Scientific Webinar	Certificate of Appreciation



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S.No	Date	Name	Event	Area of participation	Achievement
13.	11-01-2021 To 12-01-2021	Prof. N. Rama Rao	Virtual National Education Conclave	Academics	Certificate of Appreciation
14.	12-01-2021	K.Ravi Teja (II/IV B.Pharmacy)	National Level Cartoon Competition on the eve of National Youth Day	Cartoon Competition	2 nd Prize (Rs-1000/-)
15.	12-01-2021	J. Mukesh Reddy (III/IV B.Pharmacy)			3 rd Prize (Rs-1000/-)
16.	12-01-2021	P. Ramya Sri (II/IV B.Pharmacy)	National Level Cartoon Competition on the eve of National Youth Day	Cartoon Competition	4 th Prize (Rs-500/-)
17.	26-01-2021	Chalapathi Institute of Pharmaceutical Sciences	72 nd Republic day celebrations	Mime on Role of government on health awareness	1 st Prize
18.	16-02-2021	A. Srri Tejj (IV/VI Pharm.D)	State Level Mega Art Competition	Essay Writing	2 nd Prize
19.	16-02-2021	B. Hema Kinnera (IV/VI Pharm.D)		Essay Writing	3 rd Prize
20.	16-02-2021	K. Mounika (IV/VI Pharm.D)		Drawing	1 st Prize
21.	16-02-2021	K. Samba Siva Rao (III/IV B.Pharm)		Drawing	2 nd Prize
22.	16-02-2021	K.Jayaram Nayak (IV/IV B.Pharm)		Chess	1 st Prize
23.	16-02-2021	P. Revanth (V/VI Pharm.D)		Chess	3 rd Prize
24.	16-02-2021	Y. Gopi (VI/VI Pharm.D)		Story Telling	1 st Prize
25.	16-02-2021	Md. Abu Saleha (IV/IV B.Pharm)		Story Telling	2 nd Prize
26.	16-02-2021	M. Sudheer (V/VI Pharm.D)		Story Telling	3 rd Prize
27.	16-02-2021	K. Abhishikth (IV/VI Pharm.D)		Photography	1 st Prize
28.	16-02-2021	N. Kumudhavalli (II/VI Pharm.D)		Photography	2 nd Prize
29.	16-02-2021	P. Raj Kumar (III/VI Pharm.D)		Photography	3 rd Prize
30.	16-02-2021	K. Divya Jyothi (IV/VI Pharm.D)		Origami (Paper Art)	1 st Prize
31.	16-02-2021	B. Hema Kinnera (IV/VI Pharm.D)		Origami (Paper Art)	2 nd Prize
32.	16-02-2021	S. Hima (III/IV B.Pharm)		Origami (Paper Art)	3 rd Prize



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S.No	Date	Name	Event	Area of participation	Achievement
33.	16-02-2021	K. Chinni Krishna (III/IV B.Pharm)	State Level Mega Art Competition	Singing	1 st Prize
34.	16-02-2021	V. Swathi Sree (IV/VI Pharm.D) G. Reema (IV/VI Pharm.D)		Singing	3 rd Prize
35.	16-02-2021	Prathyusha (VI/VI Pharm.D)		Dance Solo	1 st Prize
36.	16-02-2021	P. Bharathi (II/VI Pharm.D)		Dance Solo	2 nd Prize
37.	16-02-2021	M. Mithravindhya Sai Meghana (III/VI Pharm.D) N. Kumudhavalli (II/VI Pharm.D) I. Shalini (II/VI Pharm.D) Sk. Shafiqua (II/VI Pharm.D) B. Pravallika (II/VI Pharm.D)		Dance Group	1 st Prize
38.	16-02-2021	M. Mithravindhya Sai Meghana (III/VI Pharm.D) P. Raj Kumar (III/VI Pharm.D) N. Kumudhavalli (II/VI Pharm.D) J. Anjali (II/VI Pharm.D) I. Shalini (II/VI Pharm.D) Sk. Shafiqua (II/VI Pharm.D) B. Pravallika (II/VI Pharm.D) P. Spoorthi (II/VI Pharm.D) Sk. Sadiq (II/VI Pharm.D) B. Satish (II/VI Pharm.D) Eswar (II/VI Pharm.D) Safeena Roohi (II/VI Pharm.D)		Skit	1 st Prize



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S.No	Date	Name	Event	Area of participation	Achievement
39.	16-02-2021	K. Dileep Chand (VI/VI Pharm.D) D. Suresh (VI/VI Pharm.D) Md. Aslam (VI/VI Pharm.D)	State Level Mega Art Competition	Dance Group	2 nd Prize
40.	16-02-2021	T. Jhansi (IV/VI Pharm.D) K. Bhavya (IV/VI Pharm.D)		Rangoli	1 st Prize
41.	16-02-2021	T. Prathyusha (III/VI Pharm.D) Ch. Akhila (III/VI Pharm.D)		Rangoli	2 nd Prize
42.	16-02-2021	S. Padma Sai (IV/VI Pharm.D) U. Poojitha (IV/VI Pharm.D)		Rangoli	3 rd Prize
43.	16-02-2021	M. Yaswanth (IV/VI Pharm.D)		Musical Instruments	2 nd Prize
44.	16-02-2021	V. Srinivasa Rao (IV/VI Pharm.D)		Musical Instruments	3 rd Prize
45.	16-02-2021	Md. Abu Saleha (IV/IV B.Pharm)		Traditional Dress	1 st Prize
46.	16-02-2021	S. Hima (III/IV B.Pharm)		Traditional Dress	2 nd Prize
47.	16-02-2021	O. Surya (IV/VI Pharm.D)		Traditional Dress	3 rd Prize
48.	17-02-2021	Dr. Vijaypandi Pandey	Delivered a technical talk on the Fundamentals of Scientific Writing	National Webinar	Certificate of Appreciation
49.	27-02-2021	S. Shalemraju	GPAT	Competitive Examination	Rank - 217
50.		V. Vyshnavi			Rank - 258
51.		K. Ganesh			Rank - 280
52.		J. Naga Sravana Lakshmi			Rank - 730
53.		V. Vyshnavi			Rank - 956
54.		P. Manasa			Rank - 1101
55.		S. Sri Tejaswi			Rank - 1545



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S.No	Date	Name	Event	Area of participation	Achievement
56.	27-02-2021	P. Venkata Harsha Vardhan	GPAT	Competitive Examination	Rank - 1698
57.		K. Sai Krishna			Rank - 1746
58.		K. Mohana Rao			Rank - 2323
59.		Syed Haseena			Rank - 2323
60.		D. Sai Shanmukh Srinivas			Rank - 2391
61.		N. Keerthi Priya			Rank - 2391
62.		K. Supraja			Rank - 2936
63.		M. Teja Sri			Rank - 3399
64.		P. Divya Rupa Lakshmi			Rank - 3642
65.		K. Jayaram Naik			Rank - 4766
66.		J. Kumari Bai			Rank - 18685
67.		B. Siva			Rank - 19944
68.	18-03-2021	Dr. N.Rama Rao	Online Refresher Course for Registered Pharmacist, B.M.Shah college of Pharmaceutical Education and Research	Online Refresher Course	Chief Guest
69.	18-03-2021 To 20-03-2021	Chalapathi Institute of Pharmaceutical Sciences	Academic Exhibition-2021, Acharya Nagarjuna University	Exhibition	Consolation prize
70.	20-03-2021 To 21-03-2021	Dr. N.Rama Rao	Online Refresher Course for Registered Pharmacist, ITM SLS Baroda university, Vadodara, Gujarat	Online Refresher Course	Guest speaker as resource person



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