

NAAC Accredited With Grade "B"

BLDEA'S SSM
COLLEGE OF PHARMACY AND RESEARCH
CENTRE, VIJAYAPUR, KARNATAKA-586103



DEPARTMENT OF PHARMACEUTICS



www.bldeapharmacy.ac.in

About the College



BLDE Association's Shri Sanghanabasava Mahaswamiji College of Pharmacy & Research Centre was established in the year 1982 to cater to the needs of Pharmacy education in North Karnataka region. Since its inception, the College has earned great respect and reputation among the students and people across the state for imparting quality Pharmaceutical education and has continued to be one of the prominent Pharmacy education institutions of the region. The BLDE Association is propagating education in Vijayapur and Bagalkot districts, which are recognized as socially, economically and educationally backward districts. The BLDE Association was established by visionary and renowned scholar 'Vachana Pitamaha' late Dr. P. G. Halakatti, with other philanthropists of Vijayapur with a primary objective of reaching out education to all in North Karnataka region.

About the Department

The Pharmaceutics department is one of the core departments and was established in the year 2007 with the intake of 10 post graduate students equipped with state of the art facilities to undertake Bachelor of Pharmacy, Master of Pharmacy, Ph.D and Pharm. D courses. Department is mainly deals with formulation and evaluation of dosage forms like conventional and novel drug delivery systems.

Department has been involved in various research activities in areas of;

- Novel drug delivery systems,
- Targeted drug delivery systems,
- Transdermal drug delivery systems,
- Mucoadhesive drug delivery systems.
- Colon targeted drug delivery systems,
- Gastroretentive systems,
- Dispersible, mouth dissolving, taste masking tablets,
- Solubility enhancement techniques of poorly water soluble drugs.

The department is involved in seeking extramural grants from various government funding agencies. The department has received and utilized grants exceeding 50 Lakhs from funding agencies such as AICTE New Delhi, VGST, Government of Karnataka, ICMR, New Delhi.

VISION

“To be recognized as leader in the field of dosage form development and evaluation.”



MISSION

“To produce the competent graduates and postgraduate students for leadership in the teaching, cutting edge research, and production of dosage forms.”

FACULTY MEMBERS



Dr. Raghavendra V. Kulkarni

M. Pharm., Ph.D

Designation: Professor and Vice Principal
Experience: 22 Years of Teaching and Research Experience
Ph.D From: Jadhavpur University, Kolkata
Publications: 110 | Presentations: 85
Book chapters: 06
Research Grants: 51 lakhs
Guided M Pharma students: 30
Guided Ph.D students: 07
Patent granted: 01
Patents filed: 06



Dr C C. Patil

M. Pharm., Ph.D

Designation: **Professor and HOD**
Experience: **23 Years of Teaching and Research Experience**
Ph.D From: **SRTMU University, Nanded.**
Book chapters: 02
Publications: **33** | Presentations: **22**
PhD Guided: **01**
Guided M Pharma students: **32**
Research Grants: **3.5 lakhs**



Dr.R G Patil

M. Pharm., Ph.D

Designation: **Associate Professor**
Experience: **20 Years of Teaching and Research Experience**
Ph.D From: **Shri JJT University, Rajasthan.**
Publications: **10** | Presentations: **04**
Guided M Pharma students: **12**



Dr. S. C. Marapur

M. Pharm., Ph.D

Designation: **Associate Professor**
Experience: **14 Years of Teaching and Research Experience**
Ph.D From: **Shri JJT University, Rajasthan.**
Publications: **34** | Presentations: **06**
Guided M Pharma students: **08**
Book chapter: **02**



Mr. Vinod M. Reddy
M. Pharm., (Ph.D)

Designation: **Assistant Professor**
Experience: **14 Years of Teaching and Research Experience**
Publications: **16**
Presentations: **06**
Guided M Pharma students: **12**



Mr. A. B. Walikar
M. Pharm.

Designation: **Assistant Professor**
Experience: **13 Years of Teaching and Research Experience**
Publications: **03**
Presentations: **01**
Guided M Pharma students: **02**



Mr. Chetankumar S. M.
M. Pharm.

Designation: **Assistant Professor**
Experience: **04 Years of Teaching and Research Experience**
Publications: **04**
Presentations: **07**



Mr. Prashant Jorapur
M. Pharm.

Designation: **Assistant Professor**
Experience: **04 Years of Teaching and Research Experience**
Publications: **07**
Presentations: **03**
NSS Programme Officer RGUHS

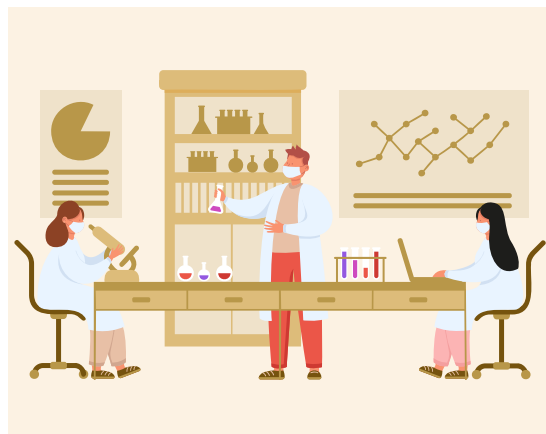


Mrs. Ashwini G.
M. Pharm.

Designation: **Assistant Professor**
Experience: **04 Years of Teaching and Research Experience**
Publications: **02**
Presentations: **05**

RESEARCH GRANTS

- Received and completed 51 lakhs of research grant by Dr. R.V.Kulkarni from Vision group on Science and Technology, Govt. of Karnataka, RGUHS Bangalore, AICTE and ICMR, New Delhi.
- Received and completed 3.5 lakhs of research grant by Dr. C C Patil from BLDE University Vijayapur





PATENTS

- 1) Pharmaceutical composition comprising tamarind seed polyose for modified release of drug. Post-grant publication in “Official Journal of The Patent Office”, Issue 14, Dtd. 7-4-2017, Page 9829.
- 2) Pharmaceutical composition of electrically-sensitive polyacrylamide-grafted-gum tragacanth copolymer for electro-modulated transdermal drug delivery. Pre-grant publication in “Official Journal of The Patent Office” Issue 41, Dtd. 09-10-2020, Page No. 52463.
- 3) Pharmaceutical formulations of electro-responsive smart hydrogel for transdermal drug delivery. Pre-grant publication in “Official Journal of The Patent Office” Issue 41, Dtd. 09-10-2020, Page No. 52396.
- 4) Pharmaceutical composition comprising functionally modified pH-responsive gellan gum graft copolymer microspheres for colon cancer. Pre-grant publication in “Official Journal of The Patent Office” Issues 9, Dtd. 01-03-2019, Page 89.
- 5) Enzyme mediated cell disruption based efficient extraction of camptothecin from nathapoetidanimmoniana plant. Pre-grant publication in “Official Journal of The Patent Office” Issue 40, Dtd. 25-09-2020, Page No. 42938.
- 6) Preparation of supported cadmium and its application for analysis of nitrate in various matrices. Provisional specification filed on 8th January 2020. No. 202041000778.
- 7) Bioactive compounds from LactucaScariolaLinn and compositions thereof for treatment of stroke. Provisional specification filed on 19th Sept. 2017. No. 201741033148.

FACILITIES

IN THE DEPARTMENT

- The department is provided with a state of the art pilot-plant for solid oral dosage forms that includes Rotary tablet press, Dissolution tester, Disintegrator, Friabilator, Coating pan a Table top Spray dryer and Lyophilizer.
- The research laboratories of the department are equipped with USP dissolution tester, Stability test chamber, Franz diffusion assembly, Rotary flash evaporators, UV spectrophotometers and HPLC.
- The department promotes skill development in UG and PG students by encouraging them to take up industrial training with reputed Pharmaceutical Companies. The undergraduate and post graduate students of the department have successfully involved in training in industries.
- The department is actively involved in offering and seeking industrial research and consultancy.

DEPARTMENTAL

CONSULTANCY SERVICES

- **Formulation and evaluation of tablets, capsules, derma products and novel drug delivery systems**
- **Pre-formulation studies**
- **UV-Vis Spectroscopy**
- **FTIR Spectroscopy**
- **Stability studies of dosage forms**
- **Spray drying**
- **Lyophilization**



EQUIPMENTS

AVAILABLE IN DEPARTMENT



High Performance Liquid Chromatograph



UV Spectrophotometer



Pre-freezing Glycol Path -40°C



Probe Sonicator , High Speed Homozinizer
Brookfield's Viscometer



Friabilator (USP)



Disintegration Tester



Dissolution Tester



Mechanical Stirrer



Tablet Punching Machine



Stability Chamber



KALWEKA ALL Purpose Machine



Tablet Coating Pan



Spray Dryer

STRENGTHS



Qualified and senior committed Faculty



There is a resilient good infrastructure environment on the campus



Strong co-ordination with other health science courses

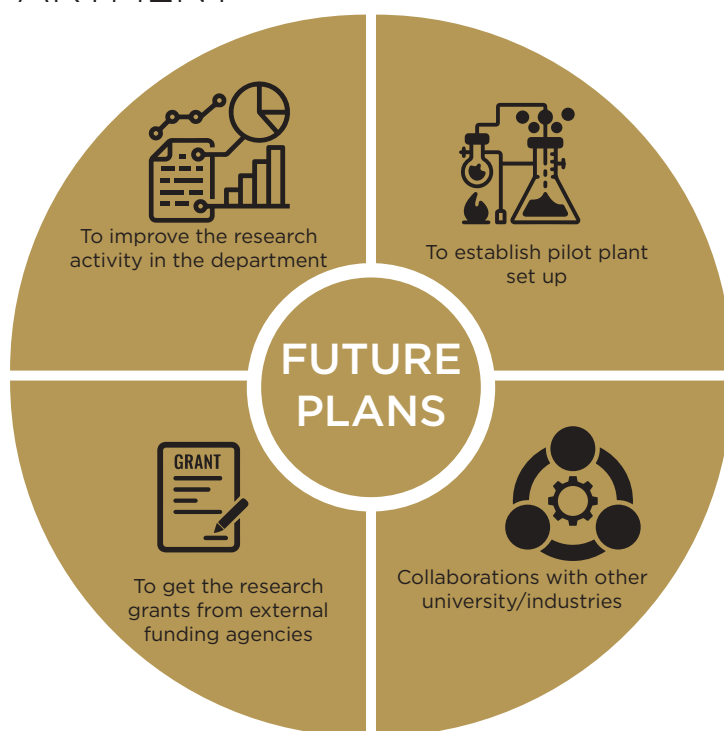


Best possible laboratory facilities to teach students and carryout research work.



Healthy teaching environment

FUTURE PLANS OF THE DEPARTMENT





Received prestigious “Prof. Raghottam Rao memorial award 2019” from “Physiological Society of India” at 107th Indian Science Congress, Bangalore for contributions to life science research on 4th Jan. 2020



Received best Paper Presentation Award at Shivalingeshwar College of Pharmacy, Alamala, Latur, Maharashtra

Born with a **vision** to provide
high quality pharma **education**



Principal

Dr. R.B. Kotnal

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H.O.D

Dr. C.C. Patil

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