



**ST. JAMES' COLLEGE OF PHARMACEUTICAL SCIENCES, CHALAKUDY
(NAAC & KUHS – QAS ACCREDITED)**

DEPARTMENT OF PHARMACEUTICS

**Dr. DINESHKUMAR B
M. Pharm, Ph. D (IIT-KGP)**

Degree	Year	University
Ph. D	2007-2010	Indian Institute of Technology, Kharapur, West Bengal
M. Pharm	2004-2006	TN Dr. M.G.R. Medical University, Chennai
B. Pharm	1999-2003	TN Dr. M.G.R. Medical University, Chennai

Department : Pharmaceutics

Mob. No : 9048421775

E mail Id : dinsbiotech@gmail.com

Designation : Professor & HOD

Date of Joining : 04/07/2012

Total Experiences: 19 years (Teaching: 16 years; Research: 3years; Industry: Nil)

Research area : Nano-Drug Delivery System, Biomaterials, Herbal Medicine, Cancer

Number projects Guided :

UG : 10

PG : 30

Responsibility: IQAC co-ordinator, Research Co-ordinator



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Number of Publications :

National : 80

International 28

Number of

Seminars/Workshops/Conferences/Symposium/Webinars:

Seminars: 03; Workshops: 02; Conferences:04; Symposium:01;
Webinars:10

Awards/Achievements:

- International Best Researcher Award-2020 in Nanomaterials and Cancer Research from International Journal for Research under Literal Access, Trichy.
- “BEST HOD AWARD-2020” from InSc, Bangalore
- TECHNOLOGY TRANSFER- Nano-formulation of Diclofenac with Variety Pharmaceutical LTD, Shoranur, Kerala
- PATENT: Warm sea water fish scale collagen scaffold for bone tissue engineering and method of making thereof (Application No.202141001147 A) Granted on 25.01.25, Patent No: 558350.
- Editorial Board Member: International Journal of Pharmaceutical Sciences and Drug Analysis

JOURNAL REVIEWER:

- Current Molecular Medicine
- Journal of Young Pharmacist
- Journal of Materials and Environmental Sciences
- Pharmacognosy Magazine



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- Indian Journal of Pharmaceutical Education and Research

RESOURCE PERSON:

- Topic: Carbon Nanotube as Nano-carrier in the National seminar on NDDS: An Industrial perspective, organized Department of Pharmaceutics, Ahalia School of Pharmacy, Palakkad, on 18th April 2024.
- Topic: Carbon Nanotube Based Drug Delivery System in the Drug Delivery Symposium (DDS) 2023, organized Department of Pharmaceutics, NGSM Institute of Pharmaceutical Sciences (NITTE university), Mangalore, on April 12 & 13, 2023
- Topic: Carbon Nanotubes on Targeted Drug Delivery System: Online FDP – organized by Sathyabama Institute of Science and Technology, Chennai on 21.06.21-26.06.21
- Topic: Nano-Drug Delivery Systems: UGC-SAP DRS Phase II sponsored National conference on Chiral and nanotechnology: Applications in Drug Design, Development and Use (CNTA 2020) – organized by Dept of Pharmacy, Annamalai University, Chidamparam, on 07.03.2020".
- Topic: New Trends in nano-Drug Delivery System: National Scientific seminar-2012, organized by Kerala State Pharmacy Council, at Town hall, Kollam, Kerala on 29th October 2012
- Topics: New technologies in Drug Formulation: seminar on Excipients/preservatives in proprietary medicines, organized by CAReKeralam, korryat, Kerala on 25th October 2014.

BOOK PUBLISHED:

- Jeswin Davis C, Chanchal Joy, Dineshkumar B, Smitha K Nair, K. Krishnakumar. Nucleic acid based drug delivery systems (eBook). ISBN: 9781449921293, Publisher: Pothi ebook publications.
- Roshitha KR, David Paul, Maneesha Dinil Kumar, Sujith Unnikrishnan, Aswathi KSK, Satheesh Kumar N, Dineshkumar B, Krishnakumar K. Updates on herbal anti-diabetic drugs and current methods for their biological standardization or the Book entitled Research and Innovations in Chemical Sciences: An Approach towards Qualitative and Quantitative Studies and Applications (ISBN 978-81-7445-690-8). Bharathi



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Publications. 2022.

- Jithin Raj, Arathy Jolly, Smitha K. Nair, Dineshkumar B, K. Krishnakumar. Computer Aided Biopharmaceutical Characterization and Computer Simulation. 2021. E-BOOK ISBN: 978-81-952994-6-1. www.publishbookonline.com.



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- Dr. Dinesh Kumar, Dr. K. Krishnakumar, Dr. Smitha K Nair. Quality by Design Approaches in Pharmaceutical Developments. <http://www.publishbookonline.com/.2020> [E-ISBN: 978-93-90002-07-8]
- Dr. Smitha K Nair, Dr. Dinesh Kumar, Dr. K. Krishnakumar. Artificial Intelligence in Drug Discovery and Development. <http://www.publishbookonline.com/.2020>. E-ISBN: 978-93-90002-11-5.
- B. Dinesh Kumar, Jincy Joy, K. Krishna Kumar. Chaulmoogra Oil Nanoemulsion and Its Anti-Cancer Studies. Published by LAP LAMBERT Academic Publishing (2015), German.
- Dineshkumar B and Krishnakumar K. Nanofibers: wound care management and medical applications. Lambert Academic Publisher, Germany (2013)

Funded Projects:

ICMR Project:

Co- Investigator: Project “Bone Tissue Engineering: Development of Collagen Scaffolds from Wastage of Red Snapper and Tilapia Fish Scales” funded by ICMR, New Delhi, in the year of 2014-2018 (Project Fund 17 lakhs).

KSCSTE-Funded Project

- Project: Mangiferin incorporated collagen/ chitosan scaffolds - formulation and *in vitro* wound healing activity, recommended by Kerala State Council for Science, technology and Environment (KSCSTE), Trivandrum. (Project completed 2020).
- Project: Delivery of Resveratrol using chitosan-functionalized single-walled carbon nanotube for *in vitro* cytotoxic activity, recommended by Kerala State Council for Science, technology and Environment (KSCSTE), Trivandrum (Project completed 2020).
- Project: Grape seed extract nanosuspension: A green chemotherapy, funded by Kerala State Council for Science, technology and Environment (KSCSTE), Trivandrum. (Project completed 2016).
- Project: Green synthesis of silver nanoparticles using leaf extract



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of *Hydnocarpus wightiana*: Anti-cancer study using cell line,



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funded by Kerala State Council for Science, technology and Environment (KSCSTE), Trivandrum.(Project completed, 2015).

- Project: Quercetin Nanocrystal Formulation: In Vitro Anti-tumor Activity against Dalton Lymphoma Ascites Cell lines, funded by Kerala State Council for Science, technology and Environment (KSCSTE), Trivandrum. (Project completed, 2014).

Membership in Professional Bodies:

1. KPGA Membership
2. InSc Professional membership
3. IPA Membership
4. IPGA Membership