Personal Details Full name Title (Prof. Dr./ Snr. Assoc. Prof. Dr./ Assoc. Prof. Dr. / etc.)	**ASSIST. PROF. DR. H. BAVA BAKRUDEEN, PhD, PDF (IIT-Madras)**
Academic Qualifications	➢ **2016 - 2018** – PDF, Department of Biotechnology, Bioremediation Lab, IIT-Madras, Chennai, Tamilnadu, India. ➢ **2011 – 2015** - Ph.D. in Pharmaceutics – Biomaterials, researched at Central Leather Research Institute (CLRI-CSIR), Govt. of India, Adyar, Chennai, Tamilnadu and registered in University of Madras (Public University), Chennai, Tamilnadu, India. ➢ **2007 – 2009** - Master of Pharmacy in Pharmaceutics – The Tamilnadu Dr. M.G.R. Medical University (TN Govt. Medical University), Tamilnadu, Chennai, India. ➢ **2002 – 2006** - Bachelor of Pharmacy – studied at MTIHS, Puducherry and affiliated by Pondicherry University (Public University), Pondicherry, India.
Administrative Duties	• Teaching and Research, • Assit. Batch Coordinator (Batch - 2023), • Course Coordinator (DFD I & II), • UG Project guidance
Publications (last 5 years) (Selected)	1. "Dr. S. Varalaxmi, **DR. H. BAVA BAKRUDEEN**, Taranum Fathima, S. Harshitha Reddy, Dr. Nimmagadda Padmaja", the above authors has Registered and Published INDIAN PATENT with the support of Mohan Babu University (Erstwhile Sree Vidyanikethan College of Pharmacy), Sree Sainath Nagar, A. Rangampet, Tirupati, Andhra Pradesh, India – 517102, entitle of invention as "A Metallic Nanoparticles-incorporated Cubosomal Gel and a method thereof", App. Number: 202441025728, Ref. No./Application No.: **TEMP/E-1/29613/2024-CHE**, date of filling on 28/03/2024 and date of publication on 05/04/2024. (https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus) 2. **H. BAVA BAKRUDEEN**, Yasmin Khambhaty, Madurai Suguna Lakshmi, Tamilselvi Alagumuthu, Preparation and evaluation of natural lipstick from beetroot (Beta vulgaris) extract medicated with acyclovir, Indian Journal of Chemical Technology, Vol. 31, May 2024, pp. 337-345, DOI: 10.56042/ijct.v31i3.7732 (IF: 0.57, Scopus Indexed) 3. Jayaraman Rajangam, Narahari N. Palei, G.S.N. Koteswara Rao, R. Prakash, Sagili Varalakshmi, **HAJA BAVA BAKRUDEEN**, Shruti Srivastava, Chapter: 8, Nanotherapeutics for diabetic cardiomyopathy using metal nanocomposites, Behera, A. (Ed.) (2023). Metal Nanocomposites in Nanotherapeutics for Oxidative Stress-Induced Metabolic Disorders (1st ed.), CRC Press. https://doi.org/10.1201/9781032621135, pages 22, eBook ISBN: 9781032621135, (a member of Taylor and Francis group), London and New York. 4. Muhammad Iftikhar Hanif, Vinnith Ramamurti, Siamak Sarrafan and **H. BAVA BAKRUDEEN,** "Innovative Applications of Nanotechnology in

	Orthopaedics: A Paradigm Shift in Healing and Patient Care". EC Orthopaedics 14.6 (2023): 54-60. (IF: 1.3) 5. Jayaraman Rajangam, **HAJA BAVA BAKRUDEEN**, Narahari N Palei, Arghya Kusum Dhar, B Roshitha, Arun Prasath Lakshmanan, Immune Checkpoints and Gut microbiome: Role and Current Facts in Cancer Immunotheraphy- Review, Current Cancer Drug Target (Bentham science publisher), (Communicated) (IF: 2.9) 6. B. Poonkodi, M.S. Lakshmi, A. Tamilselvi, C.S. Jones, K. Deepa, S. Pattabi, **HAJA BAVA BAKRUDEEN**, K. Prabhu, S.C. Kim, M.S. Ranjith, Bio-nanocomposite films loaded with lemon leaf extract for biopackaging application, Journal of King Saud University - Science (2022), doi: https://doi.org/10.1016/j.jksus.2022.102333 (IF: 3.8) 7. N. N. DHANASEKAR*, **H. BAVA BAKRUDEEN**, S. R. KUMARI AND M. SUGUNA LAKSHMI, Preparation of Ibuprofen-loaded Geonanohybrids Using a Facile Grinding Process, Indian Journal of Pharmaceutical Science, 2020, 82(1), 88-96. 8. Santhini V. M., Madurai Sugunalakshmi, S. P. Suriyaraj and **HAJA BAVA BAKRUDEEN***, Carvedilol drug-organo montmorillonite nanocomposites: Preparation, characterization and drug release studies, Advanced Materials Letters, 09(04), 2018, 258-265. 9. Haja Bava Bakrudeen, Sudarvizhi C and Boreddy S. R. Reddy, Starch nanocrystals based hydrogel: Construction, characterizations and transdermal application, Mater. Sci. Eng. C: Mater. Biol. Appl., 2016, 68:880-9. (**IF:7.32**) 10. Haja Bava Bakrudeen, Madurai Suguna Lakshmi, and Boreddy S. R. Reddy, Auto-fluorescent mesoporous ZnO nanospheres for drug delivery carrier application, Mater. Sci. Eng. C: Mater. Biol. Appl., 2015, 56:335. (**IF:7.32**)
On-going Research (Selected)	• Design and Development of Different Types of Nanoparticles from Natural Origin • Nano-Biomaterials Used for Development of Drug Delivery Carrier • Designing of Biomaterials for Plantation Production Promotion
Completed Research (Selected)	• "Bio-templated bacterial ghosts as drug delivery carrier: Preparation and evaluation studies for targeted to sarcoma cancer therapy", Department of Biotechnology, Indian Institute of Technology - Madras (IIT-M), Chennai, India (2016-2018)
Research Grants	• Department of Biotechnology, Indian Institute of Technology-Madras (IIT-M), Chennai, India [2016-2018] - Secured **Rs. 19,20,000/-** in research grants to support research work carrier out at Indian Institute of Technology Chennai, Tamil Nadu, India projects related to "Bio-templated bacterial ghosts as drug delivery carrier: Preparation and evaluation studies for targeted to sarcoma cancer therapy".
Consultancy	

Awards/ Achievements	• Recognized and awarded **NPDF by DST-SERB, Govt. of India** since March 2016 to 2018 • Recognized and awarded **Direct- Senior Research Fellowship** by Council of Scientific and Industrial Research (CSIR-HRDG), **Government of India** in 2011-2015
Professional Membership	• Provisionally Registered Pharmacist at The Puducherry Pharmacy Council, Puducherry State, India since 2007 (Reg. No: PPC/192/A1) • Nanotechnology World Association (NWA), USA • International Association of Advanced Materials (IAAM), Sweden (No:855231911083) • International Society for Infectious Diseases (ISID), USA • International Society for Development and Sustainability (ISDS), Japan (ID: M170483)
Supervision	• UG (20 students) & PG (25 students, M. Pharm., M. Tech) students - • Interns- 02 students
Teaching in AIMST	• DFD I • DFD II • ADDS • Pharmaceutical Biotechnology • Basics to Industrial Pharmacy
Areas of Expertise	• Nanomedicine and drug delivery systems • Bacterial ghost materials for drug delivery carrier applications. • Strong understanding of industrial and research & development processes necessary to develop methods & techniques related to Pharmaceutics- Biomaterial carriers, Polymeric nanomaterials, • Good research skills and in-depth knowledge of Nanopharmaceutical research methods required for design and preparation of Nano-drug delivery carrier as Bio-nanomedicine & Pharmaceutical Formulation Research and Development
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