

Dr. SHAIK ABDULLAH NAWABJAN

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Educational Qualification

Degree	University	Year
PhD	The University of Hong Kong, Hong Kong.	2018-2022.
Master of Science (Biotechnology)	VIT University, India.	2012-2014.
Bachelor of Science (Biotechnology)	Karnatak University, India.	2009-2012.

Work Experience

- **Honorary Senior Research Associate at The University of Hong Kong. (2025-Present)**
- **CEO and Co-Founder, BivaCoo Limited. (2024-present)**

1. Post-Doctoral Fellow

PharmaSec Limited, Hong Kong

April 2023 – Present

- Conduct research in regulatory toxicology and drug development.
- Design and execute research studies.
- Analyze and interpret experimental data.
- Review scientific literature and write research papers.
- Collaborate and communicate research findings.
- Write grants and manage projects.

2. R&D Advisor

Pearl Power Research Institute Limited, Hong Kong

January 2023 – Present

- Plan and design research projects.
- Collect and analyze data.
- Assess new technologies.

- Formulation.
- Write reports and present findings.
- Manage projects and ensure regulatory compliance.
- Mentor and train staff.

3. Research Assistant I

School of Biological Sciences, The University of Hong Kong, Hong Kong
January 2023 – April 2023

- Support research projects.
- Conduct literature reviews.
- Collect and analyze data.
- Conduct experiments.
- Prepare research reports.
- Perform administrative tasks.

4. Part-Time Research Assistant I

School of Biological Sciences, The University of Hong Kong, Hong Kong
September 2022 – January 2023

- Assist ongoing research projects.
- Perform literature reviews.
- Collect and analyze data.
- Conduct experiments.
- Prepare research reports.
- Handle administrative duties.

5. Quality Control Supervisor

Kingdom of Saudi Arabia
January 2017 – February 2018

- Ensure compliance with food safety regulations.
- Conduct inspections and tests.
- Maintain documentation and provide training.
- Implement corrective actions and manage supplier quality.
- Adhere to quality standards and hygiene practices.

6. Research Assistant

University of Coimbra, Portugal
August 2014 – June 2015

- Support research projects.

- Conduct literature reviews.
- Collect and analyze data.
- Conduct experiments.
- Prepare research reports.
- Handle administrative duties.

PhD Thesis

Title: - "Comprehensive toxicological evaluation of novel anti-hypertensive small molecule KSD179019".

Guide: - Prof. Billy KC Chow, Professor, Chair of Endocrinology, School of Biological Sciences, Associate Dean, Graduate School, The University of Hong Kong.

Location: - School of Biological science, The University of Hong Kong, Hong Kong.

Master's Degree Thesis

Title: - "Effect of Insulin on diabetic associated neurological disorders"

Guide: - Dr. Eugenia Carvalho, Principal Investigator, and Dr. Ermelindo Leal.

Location: - Center for Neuroscience and Cell biology, University of Coimbra, Portugal.

Patents

1. Hong Kong Patent No.: HK30085211.

Invention- Detoxification drug and use of pearl powder in the preparation of detoxification drug.

2. TTO Ref: IP01418.

Invention: Exploring the Antioxidant Potential of Hong Kong Pearl Oyster (*Pinctada imbricata*) powder in Cellular Health and Age-Related Oxidative Stress.

Publication

1. **Shaik Abdullah Nawabjan**, Fengwei Zhang, Muthu Iswarya G S, Xinyue Yu, Wa Tat Yan, Krishnakumar Balu, Billy KC Chow. Preparation, characterization of pearl powder and its in vivo detoxification potential for heavy metals in mice, *Journal of Hazardous Materials Advances*, February 2025.
2. **Shaik Abdullah Nawabjan**, Kailash Singh, Muthu Iswarya G S, Rex K.H. Au-Yeung, Fengwei Zhang, Li Zhang, Hani El-Nezami, Billy K.C. Chow, Preclinical toxicity evaluation of the novel anti-hypertensive compound KSD179019, *Food and Chemical Toxicology*, February 2025.
3. Lam LH, Li W, Wu WC, Chow KC, Au WYD, Xu G, Wang G, Qian X, Ng KM, **Nawabjan SA**, Gandhi Sethuraman MI, Choi WY, Chow BKC, Leung SO, Hui CW. SM17, a new IL-17RB-targeting antibody, ameliorates disease progression in a mouse model of atopic dermatitis. *Allergy*. June 2024.

4. Karthi Duraisamy, Mukesh Kumar, **Abdullah Nawabjan**, Emily Kwun Kwan Lo, Ming hui Lin, Benjamin Lefranc, Elsa Bonnafé, Michel Treilhou, Hani El-Nezami, Jérôme Leprince, Billy K.C. Chow, MRGPRB2/X2 and the analogous effects of its agonist and antagonist in DSS-induced colitis in mice, *Biomedicine & Pharmacotherapy*, May 2024.
5. Kailash Singh, **Shaik Abdullah Nawabjan**, Li Zhang, Hani El-Nezami, Rajasekar reddy Annapureddy and Billy KC Chow. Discovery of Small-Molecule Modulator of the Secretin Receptor: Purmorphamine Derivatives as Novel Anti-Hypertensive Agents. *European Journal of Medicinal Chemistry*, August 2022.
6. Balu Krishnakumar*, Avula Balakrishna, **Shaik Abdullah Nawabjan**, V. Pandiyan, Antonio Aguiar, Abili J.F.N. Sobral, (2017) Solar and visible active amino porphyrin/SiO₂-ZnO for the degradation of naphthol blue black, *Journal of Physics and Chemistry of Solids*, 111, 364–371.
7. A. Senthilraja, Balu Krishnakumar*, **Shaik Abdullah Nawabjan**, Abilio J.F.N. Sobral, Subash, M. Swaminathan, M. Shanthi*, (2016), Facile synthesis of Y₂S₃/ZnO nanocomposite and its catalytic performance in the degradation of Methylene Blue using UV-A/solar illumination, *Journal of Water Process Engineering*, 12, 32–40.

Conference Abstracts

1. **S.A. Nawabjan**, H.S. El-Nezami, B.K. Chow, P24-04 Computational Toxicological assessment of KSD179019 a novel anti-hypertensive small molecule, *Toxicology Letters*, Volume 384, Supplement 1, 2023.
2. **S.A. Nawabjan**, H.S. El-Nezami, B.K. Chow, LP-35 Sub-chronic and Chronic toxicity study of Investigational Anti-Hypertensive Small Molecule KSD179019, *Toxicology Letters*, Volume 368, Supplement, 2022.
3. **SA Nawabjan**, K Singh, HS El-Nezami, BKC Chow. Preliminary toxicity study of Investigational Anti-Hypertensive Small Molecule KSD179019. *Toxicology Letters*. 350. S248-S249, 2021.

Conference Presentation

1. Poster Presentation on “**Computational Toxicological assessment of KSD179019 a novel anti-hypertensive small molecule**” at 57th Congress of the European Societies of Toxicology (EUROTOX), Toxicology – Multidisciplinary science leading to safer and sustainable life, at Ljubljana, Slovenia from 10–13 September 2023
2. Poster Presentation on “**Sub-chronic and Chronic toxicity study of Investigational Anti-Hypertensive Small Molecule KSD179019**” at XVIth International Congress of Toxicology (ICT 2022) in Maastricht, the Netherlands from September 18 to 21, 2022.
3. Poster presentation on “**Preliminary toxicity study of Novel Anti-Hypertensive small molecule compound**”. The Hong Kong Inter-University postgraduate symposium in Life

Science. Jointly organized by The University of Hong Kong, The Chinese university of Hong Kong and The Hong Kong University of Science and Technology held virtually on June 25, 2022

4. Poster presentation on **Preliminary toxicity study of Investigational Anti-Hypertensive Small Molecule KSD179019** at Virtual 56th Congress of the **European Societies of Toxicology (EUROTOX), Toxicology of the Next Generation**, during sept 27- Oct 1, 2021.
5. Oral presentation on “**Identification of neuroregulatory role of SCTR-AT1a receptor dimer structure**”. IBRO-APRC Associate School on Advances in Molecular Neurobiological Research 2019, IGNTU Amarkantak, MP, India.
6. Poster presentation in technical Session on Biomedical Sciences titled ‘**Effects of malachite green on chytrids**’, at **7th International conference on “science and technology (SET)**, at VIT University, during November 14-15, 2013.
7. Oral presentation on **H2O2 Assay of Selected Sea grasses from Mandapam Coast of India** at the **6th International conference on “science and technology (SET)**, at VIT University, during May 7-8, 2013.
8. Oral Presentation on **Effect of heavy metals on microalgae** at the **5th International conference on “science and technology (SET)”**, at VIT University, during November 8-9, 2012.

Invited Speaker

1. Talk on “**Future prospects of Environmental medicines**” organized by K. Ramakrishnan college of Engineering on 5th June 2021.
2. Talk on “**Stages involved in pre-Clinical studies on Novel Drug molecule**” organized by K. Ramakrishnan college of Engineering on 9th September 2020.

Fellowships and Awards

- **Innovation Award** at Future Ecopreneur Programme Demo Day, Hong Kong Science and Technology Park (HKSTP) 2025.
- **Second prize laureate** Global Challenging Union Alliance (GCUA) 2030 award 2023.
- **Research Talent Post-Doctoral Fellowship** from Research Talent Hub - Innovation and Technology Fund Hong Kong. 2023.
- **People’s Choice Award** in the Global Young Scientists Summit (GYSS) 2023 Video Contest by National Research Foundation, Singapore (NRF), Prime Minister’s Office 2023.

- **Excellent Teaching Assistant Award 2020-2021** from faculty of science, The University of Hong Kong.
- **IBRO Associate School Fellowship** from International Brain research organization 2019.
- **Albert-Renold Travel Fellowship** from European Foundation for Study Diabetes 2014.
- Awarded with a **BEST National Service Scheme unit leader** for the year 2011-2012 by Alumni Association, India.

Continuing Education

- Continuing Education Course (CEC) 01: **A hands-on introduction to applied artificial intelligence in toxicology** on September 10, 2023, in line with the 57th Congress of the **European Societies of Toxicology (EUROTOX 2023)** in Ljubljana, Slovenia.
- Continuing Education Course (CEC) 01: **Vaccine efficacy and safety evaluation** on September 18, 2022, in line with the XVIth **International Congress of Toxicology (ICT 2022)** in Maastricht, the Netherlands.
- Continuing Education Course (CEC) 06: **Toxicity assessment in drug development** on 28 September 2021 in line with the 56th Congress of the **European Societies of Toxicology (EUROTOX 2021)** which was hosted as a virtual congress.

Certifications

- Working in Carcinogen Room, Centre for Comparative Medicine Research University of Hong Kong.
- Working Safely with Rodents in Biocontainment, Centre for Comparative Medicine Research University of Hong Kong.
- Euthanasia of Laboratory Animals, Centre for Comparative Medicine Research University of Hong Kong.
- Introduction to Research Animal Use at HKU, Centre for Comparative Medicine Research University of Hong Kong.
- CULATR Animal Research Compliance Course, Centre for Comparative Medicine Research University of Hong Kong.
- Introduction to Health and Safety for Those Working with Animals in HKU, Centre for Comparative Medicine Research University of Hong Kong.

Teaching Certifications

- Professional Certificate in teaching and learning in higher education from Centre for the enhancement of teaching and learning at The University of Hong Kong on 30th June 2023.
- Certificate in teaching and learning in higher education from Centre for the enhancement of teaching and learning at The University of Hong Kong on 29th May 2020.

Workshops/Trainings

- **Summer School on “Research and Sustainability”** Held at Gottfried Wilhelm Leibnez University, Germany during 17-30 June-2013.
- **International Laboratory course** jointly organized by the Gottfried Wilhelm Leibnez University, Hannover, Germany, and Indo-German center for excellence in bioscience (IGCEB), school of bioscience and technology, held at VIT University, India during 09-18 February 2013.

Additional Duties and Extra Curriculum Activities

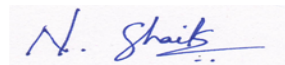
- Serve as professional Industry Coach for OWN Academy from 2022.
- Chair for Cell and Molecular division of Biology Graduate student Association, HKU from 2020 and 2023.
- Served as **Residence committee member** for the year 2019-20.
- **Hiking Interest group leader** for the 2 consecutive years at Graduate house from 2019 to 2021.
- Served as **Core team member** for the Children Social Activity at Graduate house from year 2018-20.
- Served as **National Service Scheme leader** for PCJ unit of Karnataka, India for the year 2011-12.
- Served as **National service Scheme volunteer** for period of four years 2008-2012.

Personal Information

Date of Birth- 21-08-1991.
Mailing Address- 8D, Tower 3, Tung Chung Crescent, 1 Hing Tung road, Lantau Island, Hong Kong.
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Declaration

I hereby declare that the above written information is true to best of my knowledge and belief.



Shaik Abdullah Nawabjan.