

Prashant G. Gudeangadi, Ph.D.

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Summary of Qualifications

- Over 12 years of Research & Development expertise in **organic/peptide/polymer chemistry** and **chemical biology** evidenced by 6 peer reviewed publications, a book chapter and €224,933.76 of research grant.
- Leadership skill to drive and manage multiple projects independently, coordination skills, troubleshooting, work under tight deadlines and collaborating with international multi-disciplinary teams effectively.
- **Proficient in oral and written communication skills** as demonstrated by 6 oral and 5 poster presentations at international conferences with one oral presentation award.
- Industrial experience in pharmaceutical chemistry focused on multistep synthesis of organic molecules and process chemistry in developing cost effective synthetic method at plant scale.
- Mentoring team members and junior scientists at each level both in industry and in academia.

Key Technical Skills

• Synthetic Techniques

Expertise in multistep organic synthesis, peptide synthesis, enzyme catalysed reactions, polymer synthesis, microwave reactions, transition metal catalysed coupling chemistry, retrosynthesis.

• Bioanalytical, Biochemical Techniques

Agarose gel electrophoresis, MALDI-TOF, protein engineering.

• Analytical Techniques

NMR, IR, MS, HPLC, GC, LCMS, UV-visible, CD, SEC (GPC), TGA, DSC, Rheometer, combiflash, Biotage, Isolera.

• Software

Data analysis and graphic design programs viz. Origin, automated databases and search engines (SciFinder, Reaxys).

Work Experience

Innovation and Advanced DNA-Nanotechnology

As **Marie Curie Fellow** at University of Kent, UK

07/2019-Till date

- Development of highly efficient DNA-peptide conjugation reactions.
- Development novel DNA-peptide conjugates exploiting novel self-assemblies.

Peptide Engineering using Enzymes

As **Postdoctoral Researcher** at RIKEN, Japan

01/2017-07/2019

- Developed new protocol for synthesizing elastin-mimicking polypeptides by enzymatic reactions.

- Engineering peptides by incorporation of unnatural amino acids to tune physical properties evidenced by 3 publications.

Project Management

As Graduate Research Assistant Hokkaido University, Japan

04/2013-09/2016

- Demonstrated effective leadership by managing and training graduate and under graduate researchers.
- Development of novel π -stacked 2/1 helical polyurethanes, studying its kinetics.

Industrial Experience

As Research Associate II at Syngene Intl. Ltd, India

09/2008-02/2013

- Industrial experience in pharmaceutical chemistry focused on multistep synthesis of organic molecules with 100% on time delivery of all projects.
- Optimised reaction process for synthesis of key molecules to synthesize them at plant level generating huge revenue for the company.
- Expertise in synthesis of molecules from milligram to kilogram scale.
- Worked for top US & UK pharma based projects for Astra Zeneca, Amgen, DuPont, Abbott.

Honors and Awards

1. AGS fellowship from Hokkaido University in 2013 for doctoral research.
2. HIECC scholarship from Hokkaido University in 2016.
3. Cleared International English Language Testing System (IELTS).
4. Yoshida Foundation Travel grant to attend ICFNM 2019 in India.
5. 2nd prize in oral presentation in ICFNM-2019, Varanasi, India.
6. Marie Sklodowska-Curie Individual Fellowship in 2019.
7. Letter Of Appreciation from RIKEN President for excellent research achievement.

Publications

<https://scholar.google.com/citations?user=Z5xAM-oAAAAJ&hl=en>

Book Chapter

Co-author of book chapter “Enzymatic Polymerization towards Green Polymer Chemistry”, Springer, 2019.

Presentations

6 oral presentation and 5 poster presentation in International conferences with one best poster award.

Affiliations and Hobbies

- American Chemical Society (ACS), Society of Polymer Science Japan (SPSJ).
- Hobbies include hiking, traveling, playing games.

Education

Ph.D. Polymer Chemistry, Hokkaido University, Sapporo, Japan	2013-2016
M.Sc. Chemistry, Karnatak University Dharwad, Karnataka, India	2006-2008
B.Sc. Chemistry, Bio-Tech, Botany, Karnatak University Dharwad, India	2003-2006