

Curriculum Vitae
Dr. Dinanath B. Fulse

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OBJECTIVE:

Seeking senior level assignment in the domain of Research and Development with an organization of repute, preferably in Pharmaceutical/Chemical Industry

SUMMARY:

- * Versatile and enthusiastic research scientist capable of creating, developing, and analyzing materials with designer properties for new and existing applications.
- * Major research interests are synthetic organic and carbohydrate chemistry with strong laboratory and academic background.
- * Excels in designing, synthesis and testing of new chemical entities as potential antifungal agent and development of non-infringing synthesis routes for drug intermediates.
- * Significant contributor to multidisciplinary project such as, organic synthesis, medicinal chemistry, oligosaccharide synthesis, carbohydrate based vaccines, and methodology development. API impurity Synthesis.
- * Strong communication and analytical skills with ability to perform under stress strenuous condition

Specialties: Synthetic organic chemistry, natural product synthesis, oligosaccharide synthesis, nucleosides, novel methodology development and process development.

EDUCATION:

04/03/2004 – 31/01/2009:	PhD (Organic Chemistry) Department of Chemistry, Yonsei University, Seoul, South Korea Advisor: Prof. Kwan Soo Kim, " <i>Synthesis of complex oligosaccharides found in cell wall of H. pylori and M. tuberculosis and development of a new glycosylation method</i> "
15/07/1999 – 20/05/2001:	MSc (Chemistry) School of Chemical Sciences, S R T M University, Nanded, Maharashtra, India.
01/07/1996 – 20/04/1999:	BSc (Chemistry, Industrial Chemistry, Physics) Dayanand Science College Latur, Maharashtra, India

WORK EXPERIENCE:

1	01/06/2021 to Present	Senior Scientist , Clearsynth Labs Ltd, Mumbai/Hyderabad
2	04/12/2019 to 30/06/2020	Associate Principal Scientist , Telangana Pharma Tech Hyderabad
3	01/08/2017 to 31/10/2019	Director at Glyco ChemBioTech Pvt. Ltd, Ambernath
4	21/07/2016 to 31/05/2017	Group Leader , Anant Pharmaceutical Pvt. Ltd, Ambernath, Thane, INDIA
5	10/11/2014 to 30/10/2015	Post-Doctoral Research Fellow , IISER, PUNE, INDIA
6	16/07/2012 to 28/02/2014	Senior Manager : Quality Control and Process Development, IG Petrochemical Ltd, Talaja, MIDC, Maharashtra, India
7	20/05/2011 to 20/05/2012	FPR Fellow , RIKEN, Wako-Shi, Saitama, Japan
8	05/02/2009 to 31/12/2010	Post-Doctoral Research Associate : Advisor: Prof. G. J. Boons Complex Carbohydrate Research Center, University of Georgia, Athens, GA, USA
9	10/12/2002 to 01/02/2004	Project Assistant : National Chemical Laboratory, Pune, India
10	01/10/2001 to 07/12/2002	Trainee Chemist : Deepak Nitrite Ltd, Pune, India Worked on Ethoxy Amine base project from gm. scale to Plant scale

PRIZES AND AWARDS:

10/11/2014 – 30/10/2015:	Post Doctoral Research Fellowship , IISER, PUNE, INDIA (for 3 Years)
20/05/2011 – 10/05/2012:	Foreign Postdoctoral Researcher Fellowship , RIKEN, JAPAN (for 3 Years)
01/01/2006 – 31/12/2008:	BK21 Research Fellowship , Yonsei University, Seoul, S. KOREA (5 years)

PROFESSIONAL ACTIVITIES:

Commissions of Trust

2009-2010: Executive Committee Member, Postdoctoral Association, University of Georgia, USA.

Job Relevant Skills

- Good knowledge of handling air and moisture-sensitive reactions and reagents. Well versed in the characterization of organic compounds using various techniques such as NMR, IR, LC-MS, MS etc.
- Well versed with various purification and separation techniques for organic compounds by using column chromatography, distillation, fractional distillation, Flap TLC, HPLC.
- Ability to carry out independent and collaborative research.
- Excellent skills in designing, developing and implementing, non-infringing, commercially viable, safer and eco-friendly processes as per regulatory requirement within stipulated time.
- An effective communicator & team leader with skills in troubleshooting, team building capability & abilities in planning & managing resources.
- Ability to provide quotation of target product to customer

Communication and organizational Skills

I am an effective communicator & team leader with skills in troubleshooting, team building capability. I also have abilities in planning & managing resources. I have experience of giving both oral presentations and poster presentations. I have engaged with people having different research experience and used these experiences to build research relations with people around the world.

PUBLICATIONS:

Peer-Reviewed Articles:

1. *J Am Chem Soc* **2008**, *130*, 8537–8547. K S Kim, **D B Fulse**, J Y Baek, B Y Lee, H B Jeon: Stereoselective direct glycosylation with anomeric hydroxy sugars by activation with phthalic anhydride and trifluoromethanesulfonic anhydride involving glycosyl phthalate intermediates.
2. *Carbohydr Res* **2008**, *343*, 1574–1584. Y J Lee, **D B Fulse**, K S Kim: Synthesis of the glycosyl phosphate linkage region of arabinogalactan peptidoglycan Complex in mycobacterial cell wall.
3. *J Org Chem* **2007**, *72*, 9963–9972. **D B Fulse**, H B Jeon, K S Kim: Synthesis of Tri-, Hexa-, and Nonasaccharide Subunits of the Atypical O-Antigen Polysaccharide of the Lipopolysaccharide from Danish *Helicobacter pylori* Strains.
4. *New J Chem* **2002**, *26*, 1105–1107. B P Bandgar, V T Kamble, **D B Fulse**, M V Deshmukh, Synthesis of sulfones using sodium per chlorate as a catalyst under neutral condition.

Book Chapters:

1. *Marine Cosmeceuticals, Trends and Prospects*. Ed: S-K Kim, CRC Press, 2011; Chapter: *Unlocking the Power of Marine Cosmeceuticals for Wrinkle-Free Skin*, **D B Fulse**, S R Kopalli, S Koppula.

Conferences:

1. **2009**: 237th ACS National Meeting and Exposition at Salt Lake City, UT, USA - Oral
2. **2008**: 17th International Conference on Organic Synthesis, Daejeon, S. Korea - Poster
3. **2007**: 234th ACS National Meeting and Exposition at Boston, MA, USA - Poster
4. **2007**: 100th KCS National Meeting at EXCO, Daegu, S. Korea - Poster
5. **2006**: 99th KCS National Meeting at KINTEX, Goyang-Si, S. Korea - Poster

6. **2005:** 95th KCS National Meeting at Inha University, Incheon, S. Korea- Participant
7. **2004:** 94th KCS National Meeting at ICC, Jeju, S. Korea - Participant

PERSONAL INFORMATION:

Date of Birth: 02/02/1977

Marital Status: Married
