

## Curriculum Vitae

### Dr. Dinanath B. Fulse

Plot No 198, H. NO. 4-9-194, Street No. 7, HMT Nagar, Nacharam,  
Hyderabad, INDIA-500076

Email: [drdinanath1422@gmail.com](mailto:drdinanath1422@gmail.com), Mob: +91-9652601312, 9769401312

#### OBJECTIVE:

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

#### AREA OF INTEREST:

- \* Synthetic organic chemistry
- \* Medicinal Chemistry (CRO)
- \* Stable Isotope labelled Chemistry.
- \* Carbohydrate and nucleoside and nucleotide chemistry.
- \* 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, “*Synthesis of complex oligosaccharides found in cell wall of H. pylori and M. tuberculosis and development of a new glycosylation method*”
- 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	<b>Senior Scientist</b> , Clearsynth Labs Ltd, Mumbai/Hyderabad
2	04/12/2019 to 30/06/2020	<b>Associate Principal Scientist</b> , Telangana Pharma Tech Hyderabad
3	01/08/2017 to 31/10/2019	<b>Director</b> at Glyco ChemBioTech Pvt. Ltd, Ambarnath
4	21/07/2016 to 31/05/2017	<b>Group Leader</b> , Anant Pharmaceutical Pvt. Ltd, Ambarnath, Thane, INDIA
5	10/11/2014 to 30/10/2015	<b>Post-Doctoral Research Fellow</b> , IISER, PUNE, INDIA
6	16/07/2012 to 28/02/2014	<b>Senior Manager</b> : Quality Control and Process Development, IG Petrochemical Ltd, Taloja, MIDC, Maharashtra, India
7	20/05/2011 to 20/05/2012	<b>FPR Fellow</b> , RIKEN, Wako-Shi, Saitama, Japan
8	05/02/2009 to 31/12/2010	<b>Post-Doctoral Research Associate</b> : Advisor: Prof. G. J. Boons Complex Carbohydrate Research Center, University of Georgia, Athens, GA, USA
9	10/12/2002 to 01/02/2004	<b>Project Assistant</b> : National Chemical Laboratory, Pune, India
10	01/10/2001 to 07/12/2002	<b>Trainee Chemist</b> : 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
- 20/05/2011 – 10/05/2012: **Foreign Postdoctoral Researcher Fellowship**, RIKEN, JAPAN
- 01/01/2006 – 31/12/2008: **BK21 Research Fellowship**, Yonsei University, Seoul, S. KOREA

#### 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.

### 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**: 237<sup>th</sup> ACS National Meeting and Exposition at Salt Lake City, UT, USA - Oral
2. **2008**: 17<sup>th</sup> International Conference on Organic Synthesis, Daejeon, S. Korea - Poster
3. **2007**: 234<sup>th</sup> ACS National Meeting and Exposition at Boston, MA, USA - Poster
4. **2007**: 100<sup>th</sup> KCS National Meeting at EXCO, Daegu, S. Korea - Poster
5. **2006**: 99<sup>th</sup> KCS National Meeting at KINTEX, Goyang-Si, S. Korea - Poster
6. **2005**: 95<sup>th</sup> KCS National Meeting at Inha University, Incheon, S. Korea- Participant
7. **2004**: 94<sup>th</sup> KCS National Meeting at ICC, Jeju, S. Korea - Participant

### PERSONAL INFORMATION:

Date of Birth: 02/02/1977

Marital Status: Married

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