



• Field Organic and Bioorganic Chemistry

• Name Satish B. Nimse

• Title Assistant Professor

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Education background

2007 ~ 2011 Hallym University (Ph.D.-화학과)
2003 ~ 2005 Biju Patnaik University of Technology (이학석사-
Medicinal Chemistry)
1998 ~ 2002 Pune University (이학사, B. Pharm)

Major careers

2011 ~ present: Assistant Professor, Department of Chemistry,
Hallym University, Chuncheon, South Korea.

2009 ~ 2011: Visiting Senior Research Scientist, Biometrix
Technology Inc. Chuncheon, South Korea

2005 ~ 2007: Lecturer, Department of Pharmaceutical Chemistry,
P.D.V.V.P.'s College of Pharmacy, Pune University, Inida.

2002 ~ 2003: Marketing Executive, Mcleads Pharmaceuticals,
Gao, India.

Studies & Books

■ 주요 연구 주제

Organic Synthesis, Cell Imaging Probes, New drug discovery, Functional Materials, Molecular Diagnostics, Supramolecular Assemblies

■ 논문

- Nimse, S.B., Song, K., Warkad, S.D., Oh, A.C., Kim, T., Hong, Y.J. Quantification of CYFRA 21-1 and a CYFRA 21-1-anti-CYFRA 21-1 antibody immune complex for detection of early stage lung cancer. *Chem Commun*, 2019, 55(68), 10060-10063. [Click here for full paper.](#)

- Nimse, S.B., Warkad, S.D., Song, K., Kim, T. HCV Detection, Discrimination, and Genotyping Technologies. *Sensors*, 2018, 18(10), pii: E3423. [Click here for full paper.](#)

- Sonawane MD., Nimse S.B.* C-Reactive Protein: A Major Inflammatory Biomarker. *Analytical Methods*, 2017, DOI: 10.1039/C7AY00711F. [Click here for full paper.](#)

- Sonawane, M. D., Nimse, S.B.,* Surface Modification Chemistries of Materials used in Diagnostic Platforms with Biomolecules, *Journal of Chemistry*, 2016, Article ID 9241378. [Click here for full paper.](#)

- Nimse, S.B., Sonawane, M. D., Song, K., Kim, T., Detection, Quantification, and Profiling of PSA: Current Microarray Technologies and Future Directions, *RSC Advances* 2016, 6, 7599-7609. [Click here for full paper.](#)

- Nimse, S.B., Sonawane, M. D., Song, K., Kim, T., Biomarker Detection Technologies and Future Directions, *Analyst*, 2016, 141, 740-755. [Click here for full paper.](#)

- Nimse, S.B.,* Pal, D., Mazumder, A., Mazumder, R., Synthesis of Cinnamanilide Derivatives and Their Antioxidant and Antimicrobial Activity, *Journal of Chemistry*, 2015, Article ID 208910. [Click here for full paper.](#)

- Nimse, S.B.,* Pal, D. K., Free radicals, natural antioxidants, and their reaction mechanisms. *RSC Advances* 2015, 5, 27986-28006. [Click here for full paper.](#)

- Nimse, S.B., Song, K., Sonawane, M. D., Sayyed, D. R., Kim, T., Immobilization Techniques for Microarray: Challenges and Applications. *Sensors*, 2014, 14, 22208. [Click here for full paper.](#)

- Nimse, S.B., Song, K., Kim, J., Sayyed, D. R., Kim, T., 9G DNACChip Technology: SAM of ssDNA for Ultra-sensitive Detection of Biomarkers, *International Journal of Molecular Sciences*, 2013, 14(3), 5723-5733. [Click here for full paper.](#)

- Nimse, S.B., Kim, T., Biological Applications of Functionalized Calixarenes, *Chemical Society Review*, 2013, 42, 366-386. [Click here for full paper.](#)

- Nimse, S.B., Song, K., Kim, J., Sayyed, D. R., Kim, T., 9G DNACChip Technology: SAM of ssDNA for Ultra-sensitive Detection of Biomarkers, International Journal of Molecular Sciences, 2013, 14(3), 5723-5733. [Click here for full paper.](#)
- Nimse, S.B., Kim, T., Biological Applications of Functionalized Calixarenes, Chemical Society Review, 2013, 42, 366-386. [Click here for full paper.](#)
- Nimse, S.B., Song, K., Kim, J., Kim, H., Nguyen, V., Ta, V., Kim, T. Generalized probe selection method for DNA Chips, Chemical Communications, 2011, 47, 12444. [Click here for full paper.](#)
- Nimse, S.B., Kim, J., Song, K., Kim, J., Lee, J. T. Nguyen, V., Ta, V., Kim, T. Selective recognition of the ditopic trimethylammonium cations by water-soluble aminocalix[4]arene, Tetrahedron Letters, 2011, 52, 3751. [Click here for full paper.](#)
- Nimse, S.B., Song, K., Kim, J., Ta, V., Nguyen, V., Kim, T. Synthesis and Modification of Novel Iminecalix[4]arene Derivatives, Bull. Korean Chem. Soc., 2011, 32, 1143-1145. [Click here for full paper.](#)

I Others

■ 학회활동

- Korean Chemical Society, Lifetime member (대한화학회 평의원)
- Indian Pharmaceutical Association, Lifetime member

■ 교외 연구비 수혜현황 (연구책임자 기준)

- Development and improvement of a method for the screening and genotyping of HCV genotypes, 산학협력선도대학육성사업, 01.08.2019 ~ 31.01.2020 / 34,000,000원
- Development of a fluorescence amplification and verification technology for heart healthcare, 01.06.2018 ~ 31.01.2019 / 39,000,000원
- 유리섬유 멤베레인 이용한 CRP/PSA 집단 침의 성능 개선, 바이오메트릭스텍놀로지, 01.10.2015 ~ 30.09.2016 / 45,540,000원

■ 수상

- 2012: Best Professor of the Year (Teaching) Award, Hallym University, Chuncheon, South Korea
- 2011: Excellent Oral Presentation Award, Korean Chemical Society Conference, Hallym University, Chuncheon, South Korea.
- 2009: Excellent Oral Presentation Award, Korean Chemical Society Conference, Khangnang University, Khangnang, South Korea.
- 2005: Topped the department of Pharmaceutical Chemistry (M. Pharm), Biju Pattanaik University of Technology, Raourkhela, Orissa, India.
- 2003 ~ 2005: Junior Scientist Fellowship, All India Conical for Technical Education, New Delhi, India.
- 2002: Qualified GATE 2002 Indian Institute of Technology (IIT), Kharagpur, India.