

**CURRENT STATUS**

August 2018 till date

Working as a Research Associate at Central Research Instruments Facility, Sri Satya Sai Institute of Higher Learning (Deemed University), Prasanthi Nilayam, Anantapur District, Andhra Pradesh, India

**Senior Associate Scientist (Salary 72,698/- per month)**

March 2016-Sep 2017

R & D, at Ultramarine & Pigments LTD., Ranipet, Vellore-632403, Tamilnadu, India

- **Responsibilities:** Development of New Inorganic Pigments (Mixed Metal Oxides) for Industrial scale, and report to whole-time director as well as managing director
- **Achievements:**
  - Developed the BiVO<sub>4</sub> yellow pigments up to 290 °C for Nylon Based Applications
  - Developed the inorganic pigments, PBr-24, PB-28, PB-50, PB-29, PB-36, PY-184
  - Developed the Ultramarine Blue Pigments for acid resistance (up to pH-2)

**POSTDOCTORAL FELLOWS**

2013-2016

- Materials Research Centre, Indian Institute of Science (IISc), Bangalore, India.

**SCIENTIFIC/TECHNICAL EXPERTISE**

- Expert on preparation of oxide based Inorganic nanocrystalline materials
- Expert on SiO<sub>2</sub> coating on the surface of pigment / ceramic using sol-gel technique for alkali resistance
- Expert on preparation of inorganic pigments, Cobalt Blue (PB-28), Brown (PBr-24), Green (PB-50), Ultramarine Blue (PB-29), Pigment Blue (PB-36) and Bismuth Vanadate Yellow (PY-184)
- Phase diagram, Thermal Analysis, Single Crystal Growth and Characterization of Organic/Inorganic Materials.
- Expert on preparation of polymer nano-composite materials
- Sufficient exposure and knowledge on FTIR, SEM, Powder XRD, DSC, UV, Dielectric and Laser spectroscopy.

**AWARDS**

- **Outstanding Reviewer Awards** in year of 2016 from Materials Research Express, IOP Journals
- Dr. D.S. Kothari Postdoctoral Fellow, UGC, New Delhi

**ACADEMIC PROFILE**

- Ph. D degree in Chemistry (2007-2013), Banaras Hindu University, Varanasi, India
- Master's degree in Chemistry (72.3%, 2005-2007), Banaras Hindu University, Varanasi, India.
- Bachelor's degree (79.3%, Maths, Physics, Chemistry, 2000-2005), Andhra Loyola College, Vijayawada, India.

**PUBLICATIONS IN PEER-REVIEWED JOURNALS (Total Citation = 257)**

1. R. Bhimoreddi<sup>@</sup>, S. Tukaram and K.B.R. Varma, *Materials Research Express*, 6 (2019) 076303 [<sup>@</sup> **Corresponding author**] <https://doi.org/10.1088/2053-1591/ab12a8>
2. S. Tukaram<sup>#</sup>, R. Bhimoreddi<sup>#</sup> and K.B.R. Varma, *J American Ceramic Society*, 102 (2019) 4082-91 [<sup>#</sup> **equal contribution**] <https://doi.org/10.1111/jace.16230>
3. P.W. Jaschin, R. Bhimoreddi and K.B.R. Varma, *ACS Appl. Mater. Interfaces*, 10 (2018) 27278–86 <https://doi.org/10.1021/acsami.8b07786>
4. S. Channakote, B. Ponraj, R. Bhimoreddi and K.B.R. Varma, *J American Ceramic Society*, 100 (2017) 2641-2650 <https://doi.org/10.1111/jace.14809>
5. R. Bhimoreddi, B. Ponraj and K.B.R. Varma, *J. American Ceramic Society*, 99 (2016) 896-904. <https://doi.org/10.1111/jace.14018>
6. S. Tukaram, R. Bhimoreddi and K.B.R. Varma, *Materials Science and Engineering B* 211 (2016) 101–109. <https://doi.org/10.1016/j.mseb.2016.06.003>
7. S. Tukaram, R. Bhimoreddi, and K.B.R. Varma, *J Material Science*, 51, (2016) 9253-9266. <https://doi.org/10.1007/s10853-016-0172-5>
8. S. Channakote, S. Kundu, R. Bhimoreddi and K.B.R. Varma, *Materials Research Express*, 3 (2016) 065009 <https://doi.org/10.1088/2053-1591/3/6/065009>

9. B. Ponraj, **R. Bhimoreddi**, K.B.R. Varma, *J Advanced Ceramics*, 5 (2016) 308–320.  
<https://doi.org/10.1007/s40145-016-0204-2>
10. R.N. Rai, Shiva Kant, **R.S.B. Reddi**, S. Ganesamoorthy, and P.K. Gupta, *J Solid State Chemistry*, 233 (2016) 244–51. <http://dx.doi.org/10.1016/j.jssc.2015.10.035>
11. S. Kundu<sup>#</sup>, **R. Bhimoreddi**<sup>#</sup>, K. Mishra, S.B. Rai and K.B.R. Varma, *Materials Research Express*, 2 (2015) 105015, [**# equal contribution**] <https://doi.org/10.1088/2053-1591/2/10/105015>
12. R.N. Rai, **R.S.B. Reddi** and U.S. Rai, *Progress in Crystal Growth and Characterization of Materials*, 59 (2013) 73–111 (**Review Article**). <https://doi.org/10.1016/j.pcrysgrow.2013.04.001>
13. **R.S.B. Reddi**, S. Ganesamoorthy, P.K. Gupta, R.N. Rai, *Fluid Phase Equilibria*, 313 (2012) 121–26.  
<https://doi.org/10.1016/j.fluid.2011.10.002>
14. **R.S.B. Reddi**, V.S.A. Kumar Satuluri, R.N. Rai, *J Therm Anal Calorim*, 107 (2012) 183–88.  
<https://doi.org/10.1007/s10973-011-1634-2>
15. **R. Bhimoreddi** and R.N. Rai, *Advanced Mater Research*, 584 (2012) 107–11.  
<https://doi.org/10.4028/www.scientific.net/AMR.584.107>
16. C.S. Biswas, V.K. Patel, N.K. Vishwakarma, A.K. Mishra, **R. Bhimoreddi**, R.N. Rai, B. Ray, *J. Applied Polymer Science*, 125 (2012) 2000–09. <https://doi.org/10.1002/app.36318>
17. **R.S.B. Reddi**, V.S.A. Kumar Satuluri, U.S. Rai and R.N. Rai, *J Therm Anal Calorim*, 107 (2012) 377–85.  
<https://doi.org/10.1007/s10973-011-1478-9>
18. K.P. Sharma, **R.S.B. Reddi**, R.N. Rai, *J Therm Anal Calorim*, 110 (2012) 545–50.  
<https://doi.org/10.1007/s10973-012-2541-x>
19. K.P. Sharma, **R.S.B. Reddi**, S. Bhattacharya, R.N. Rai, *J. Solid State Chemistry*, 190 (2012) 226–32.  
<https://doi.org/10.1016/j.jssc.2012.02.019>
20. R.N. Rai, S.R. Mudunuri, **R.S.B. Reddi**, V.S.A. Kumar Satuluri, S. Ganesamoorthy and P.K. Gupta, *J. Crystal Growth*, 321 (2011) 72–7. <https://doi.org/10.1016/j.jcrysgro.2011.02.019>
21. K.P. Sharma, **R.S.B. Reddi**, S. Kant, R.N. Rai, *Thermochimica Acta*, 498, (2010) 112–16.  
<https://doi.org/10.1016/j.tca.2009.10.010>
22. S. Kant, **R.S.B. Reddi**, R.N. Rai, *Fluid Phase Equilibria*, 291 (2010) 71–5.  
<https://doi.org/10.1016/j.fluid.2009.12.015>
23. **R.S.B. Reddi**, S. Kant, U.S. Rai, R.N. Rai, *J. Crystal Growth*, 312 (2009) 95–9.  
<https://doi.org/10.1016/j.jcrysgro.2009.09.037>
24. R.N. Rai, **R.S.B. Reddi**, *Thermochimica Acta*, 496 (2009) 13–17. <https://doi.org/10.1016/j.tca.2009.06.012>

## PERSONAL PROFILE

Father Name	: Nagi Reddy Bhimoreddy
Date of Birth	: 18 <sup>th</sup> January 1983
Sex	: Male
Marital Status	: Married
Nationality	: Indian
Language Known	: English, Telugu and Hindi
Physical Activities	: Minor foot drop problem was developed during undergraduate, but it has never slowed down my daily life nor affected my academic capabilities

## REFERENCE ON REQUEST

1. **Mr. R. Senthil Kumar**, Whole Time Director, Ultramarine & Pigments Ltd, 25-B, SIPCOT Industrial Complex, Ranipet, Tamilnadu -632 403, Phone: +91 82200 13805, E-mail : [grsenthil@ultramarinepigments.net](mailto:grsenthil@ultramarinepigments.net)
2. **Mr. S. Rajasekhar**, Ultramarine & Pigments Ltd, 25-B, SIPCOT Industrial Complex, Ranipet, Tamilnadu -632 403, Phone: +91 82200 13802, E-mail : [rajasekar@ultramarinepigments.net](mailto:rajasekar@ultramarinepigments.net)
3. **Prof. K.B.R. Varma** (Former Vice-Chancellor, SSSIHL), Materials Research Centre, Indian Institute of Science, Bangalore-560 012, India, Phone: +91 9449055283, E-mail: [kbrvarma1@gmail.com](mailto:kbrvarma1@gmail.com)
4. **Prof. R.N. Rai**, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi-221 005, India, Phone: +91-9451892155, E-mail: [rn\\_rai@yahoo.co.in](mailto:rn_rai@yahoo.co.in)

## DECLARATION

I solemnly declare that the information furnished above is true, complete and correct to the best of my knowledge and belief.

Date: 02/09/2020

(Rajasekhar Bhimoreddi)