

List of Book/Journal/Conference publications-Dr. Ravindra H J

List of Book publication

- 1) **Text book of Engineering Physics**,
P.S. Aithal and **H J Ravindra**
1st edition, (2011), Acme Learning Private Ltd. New Delhi
ISBN : 978-93-80408-44-6

List of Research Papers Published in international Journals

- 1) *Synthesis, growth, and characterization of 3-(4-Methoxyphenyl)-1-(pyridin-2-yl) prop-2-en-1-one single crystal: A potential NLO material*
A. Jayarama, H.J. Ravindra, A.P. Menezes, S.M. Dharmaparakash, S.W. Ng
Journal of Molecular Structure, **1051** (2013) 285.
- 2) *Designing novel chalcone single crystals with ultrafast nonlinear optical responses and large multi-photon absorption coefficients*
John Kiran, H.W. Lee, **H.J. Ravindra**, S.M. Dharmaparakash, K. Kim, H. Lim, F. Rotermund
Current Applied Physics, **10** (2010) 1290.
- 3) *Intramolecular charge transfer and hydrogen bonding interactions of nonlinear optical material N-benzoyl glycine: Vibrational spectral study*
D. Sajan, **H.J. Ravindra**, Neeraj Misra and I. Hubert Joe
Vibrational Spectroscopy, **54** (2010) 72.
- 4) *Structure and NLO property relationship in a novel chalcone co-crystal*
H.J. Ravindra, K. Chandrashekar, W.T.A. Harrison, and S.M. Dharmaparakash
Applied Physics B, **94** (2009) 503.
- 5) *Synthesis, crystal growth, characterization and structure-NLO property relationship in 1,3-bis(4-methoxyphenyl)prop-2-en-1-one single crystal*
H.J. Ravindra, W.T.A. Harrison, M.R. Suresh Kumar and S.M. Dharmaparakash
J Crystal Growth, **311** (2009) 310.
- 6) *Growth and characterization of an efficient nonlinear optical D- π -A- π -D type chalcone single crystal*
H.J. Ravindra, A. John Kiran, S.M. Dharmaparakash, N. Satheesh Rai, K. Chandrasekharan, B. Kalluraya, and F. Rotermund
J. Crystal Growth, **310** (2008) 4169.
- 7) *Superior characteristics of organic chalcone single crystals as efficient nonlinear optical material*
A. John Kiran, H. C. Kim, K. Kim, F. Rotermund, **H. J. Ravindra**,

- S. M. Dharmaparakash, and H. Lim
Appl. Phys. Lett., **92** (2008) 113307.
- 8) ***Synthesis, crystal growth and characterization of a phase matchable nonlinear optical single crystal: p-chlorodibenzylideneacetone***
H.J.Ravindra, A. John Kiran, S. R. Nooji, S.M. Dharmaparakash, K. Chandrasekharan, B. Kalluraya and F. Rotermund
J. Crystal Growth, **310** (2008)2543.
 - 9) ***Third order nonlinear optical properties and optical limiting in donor/acceptor substituted 4'-methoxy chalcone derivatives***
H.J. Ravindra, A. John Kiran, K. Chandrasekharan, H.D. Shashikala and S.M. Dharmaparakash
Applied Physics B, **88** (2007) 105.
 - 10) ***Crystal growth, characterization, structural characteristics and second harmonic generation in N-benzoyl glycine crystals***
A. Jayarama, **H.J.Ravindra** and S.M. Dharmaparakash
Mat. Chem. and Physics, **113** (2009) 91.
 - 11) ***A phase-matchable nonlinear optical material N-(3-nitrophenyl)phthalimide: Synthesis, crystal growth and characterization***
H.J.Ravindra, M.R. Suresh Kumar, C. Rai and S.M. Dharmaparakash
J. Crystal Growth, **294** (2006) 318.
 - 12) ***Synthesis, crystal growth and characterization of glycine lithium sulphate***
M.R. Suresh Kumar, **H.J.Ravindra** and S.M. Dharmaparakash
J. Crystal Growth, **306** (2007) 361.
 - 13) ***Structural characteristics and second harmonic generation in L-threonine crystals***
M.R. Suresh Kumar, **H.J.Ravindra**, A. Jayarama, S.M. Dharmaparakash
J. Crystal Growth, **286** (2006) 451.
 - 14) ***1,5-Bis(3,4,5-trimethoxyphenyl)penta-1,4-dien-3-one1.333-hydrate-1,5-bis(3-bromo-4,5-dimethoxyphenyl)penta-1,4-dien-3-one1.333-hydrate0.919 (3):0.081(3) cocrystal***
H. J. Ravindra, S. M. Dharmaparakash and W. T. A. Harrison
*ActaCryst.***E63** (2007) o2877.
 - 15) ***3-[(4-Nitrophenyl)aminocarbonyl]propanoic acid***
N. P. Rath, **H. J. Ravindra**, M. R. S. Kumar and S. M. Dharmaparakash
*ActaCryst.***E63** (2007) o4424.

- 16) *N-(4-Nitrophenyl)-N'-phenylsuccinamide*
R. J. Butcher, J. P. Jasinski, **H. J. Ravindra** and S. M. Dharmaparakash
Acta Cryst. **E63** (2007) o4367.
- 17) *1-(4-Aminophenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one-1-(4-aminophenyl)-3-(3-bromo-4,5-trimethoxyphenyl)prop-2-en-1-one (0.972/0.028)*
W. T. A. Harrison, **H. J. Ravindra**, M. R. S. Kumar and S. M. Dharmaparakash
Acta Cryst. **E63**(2007) o3970.
- 18) *(2E,2'E)-1,1'-Bis(4-chlorophenyl)-3,3'-(1,4-phenylene)diprop-2-en-1-one*
W. T. A. Harrison, **H. J. Ravindra**, M. R. S. Kumar and S. M. Dharmaparakash
Acta Cryst. **E63**(2007) o3702.
- 19) *(2E,2'E)-3,3'-(1,4-Phenylene)bis[1-(3,4-dimethoxyphenyl)prop-2-en-1-one]*
W. T. A. Harrison, **H. J. Ravindra**, M. R. Suresh Kumar and S. M. Dharmaparakash
Acta Cryst. **E63**(2007) o3068.
- 20) *(2E,2'E)-3,3'-(1,4-Phenylene)bis[1-(4-methoxyphenyl)prop-2-en-1-one]*
W. T. A. Harrison, **H. J. Ravindra**, M. R. Suresh Kumar and S. M. Dharmaparakash
Acta Cryst. **E63** (2007) o3067.
- 21) *1-(4-Hydroxyphenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one*
W. T. A. Harrison, V. Kumari, **H. J. Ravindra** and S. M. Dharmaparakash
Acta Cryst. **E63**(2007) o2928.
- 22) *(2E)-1-[4-[(1E)-Benzylideneamino]phenyl]-3-phenylprop-2-en-1-one*
W. T. A. Harrison, **H. J. Ravindra**, M. R. S. Kumar and S. M. Dharmaparakash
Acta Cryst. **E63**(2007) o4675.

List of National/International/workshop/seminar attended

1. **2-[(3-nitrophenyl)carbamoyl]benzoic acid: A potential NLO material**
Ravindra H. J., Nigam P. Rath., **VinayakBhat.**, VijayaKumari, Dharmaparakash S. M.
Presented at the National conference on Condensed Matter Physics and Applications(CMPA-13), held at Manipal Institute of Technology, Manipal from 27-28, December 2013.
2. **Crystal growth and Characterization of single crystals of 1,3-diphenylprop-2-en-1-one**
H.J. Ravindra, **VijayaKumari**, VinayakBhat& S.M. Dharmaparakash
Presented at the National conference on Frontiers in Photonics, held at Mahatma Gandhi Memorial College, Udupi from 13th-14th December 2013.
3. Attended and presented a paper titled "**Design of single crystals with head-to-tail molecular dipole alignment for NLO applications**" in *International conference on*

recent advances in materials science and technology (ICRAMST-13) held at National institute of Technology (NITK), Surathkal from 17-19, January, 2013.(**received best poster award**)

4. Presented the paper titled “**Crystal growth and physical properties of non-linear optical γ -glycine**” in the “*National Seminar on Recent Trends in Optoelectronic Materials and Devices*” held at Sri Venkateshwara University, Tirupati from 21 to 22 November 2002.
5. Presented the paper titled “**Linear and non-linear optical characteristics of bismuth thiourea chloride crystals**” in the “*Ninth National Seminar on Crystal Growth*” held at Anna University, Chennai from 24 to 26 February 2003.
6. Presented the paper titled “**Effect of thiourea doping on growth and physical characteristics of $(\text{NH}_4)\text{H}_2\text{PO}_4$ crystals**” in the “*Ninth National Seminar on Crystal Growth*” held at Anna University, Chennai, from 24 to 26 February 2003.
7. Attended the One-Day Workshop on “*X-ray Diffraction Studies on Clays*” organized by Ocean Science and Technology Cell in Marine Geology and Geophysics, Mangalore University on 14th January 2003.
8. Participated in the International Workshop on “*Crystal Growth and Characterization of Technologically Important Materials*” held at Anna University, Chennai. 24-28 Feb, 2004.
9. Attended the National workshop on nonlinear optics (NWNO-2008) held at National institute of technology Calicut, Kozhikode, Kerala from 4-5 January 2008.
10. Participated in the National Workshop on “*Plasma Technology in Surface Engineering and Mineral Processing*” held at Kottayam from 2 to 5 June 2009, organized by the School of technology and Applied Sciences, Mahatma Gandhi University, Kottayam in association with Power beam Society India, Mumbai.
11. Participated in the “*National Workshop on Irradiation of Food for Quality Upgradation*” held at Mangalore University on September 29, 2003.
12. Participated in the 50th (Golden Jubilee) DAE Solid State Physics Symposium, at Bhabha Atomic Research Center, Mumbai during December 5-9, 2005.
13. Participated/Presented paper in the National seminar on “*Modern Trends in Materials Science*”, conducted in honour of Prof. (Dr.) K. Neelakandan, former Head and founder of the Department of Physics, University of Calicut, on the eve of his retirement, at the Department of Calicut from 29-30 September 2005.
14. Participated in the National Conference on Emerging Materials and Technologies (NCEMAT), organized by the Department of physics, Sri Venkateshwara University,

Tirupati during 3-4 August 2004 and Presented a paper entitled “*A new organic non linear optical crystal:N-ε (3-nitrophenyl) phthalimide*”

15. Participated in the eighth International Conference on “*Optoelectronics, fiber Optics and Photonics-2006*” from 13 to 16th December, 2006 and Presented work as poster on 14th December, 2006 at the University Of Hyderabad, India.
16. Participated in the National Conference on “*Smart Materials And Recent Technologies*” (SMART-2007) held at Sri Venkateshwara University, Tirupati from 22 to 23 February 2007.
17. Participated in the 51st DAE Solid State Physics symposium at Dept. Of Physics and Electronics, Barkatullah University, Bhopal from 26 to 30 December 2006.
18. Participated and Presented a paper in the National Conference on “*Current Trends in Material science*” held at Charel Mount, Kuriannur, Kerala from 25-27 March 2007.
19. Participated in the seminar organized by Mangalore University and NAARI (National Association for Applications of Radioisotopes and Radiation in Industry), Mumbai from 29-30 November, 2006.