

## APPENDIXES

### A.1 Resume of the candidate

Mrs. M.Ajitha Sweetly was born on May 30, 1977 in Kallan Kuzhi near Nagercoil. She has achieved the B.Sc (1998 Women's Christian College, Nagercoil), M.Sc (2000 Scott Christian College, Nagercoil), M.Phil (2001 Scott Christian College, Nagercoil), and B.Ed (2006 Bethlehem College of Education) degrees from Manonmaniam Sundaranar University, Tirunelveli. She has 6 months of teaching experience in Unndi Uraividam Government higher secondary school, Pechipparai, 1 year experience in Perarynar Anna Science College, Malaiyadi Kurichi, Tirunelveli, and 6 years of experience in Muslim Arts College, Thiruvithancode. Currently she is working as Assistant Professor in the Department of Physics, Muslim Arts College, Thiruvithancode. She has about 4 years of research experience in the field of crystal growth and characterization. She has 6 research papers presented in various national and international conferences. She has published 2 research papers in international journals.

### A.2 List of publications by the candidate

#### I. Papers published in journals

1. Crystallization and studies of an NLO Material: NaClO<sub>3</sub> single crystal.  
M.Ajitha Sweetly, S. Ramalingom. T. Chithambarathanu.  
International Journal of advanced Scientific and technical research  
Vol.6. page 694-701 December 2012 (ISSN: 2249-9954).
2. Studies on Growth and Characterization of pure and doped sodium chlorate crystals.  
M. Ajitha Sweetly, S. Ramalingom. T. Chithambarathanu.  
International Journal of Current Research. Vol.5, pp. 467-471, March 2013.  
(ISSN: 0975-833x).

## II Papers presented in National/International conferences

1. Crystallization and Characterization of NaCl doped NaBrO<sub>3</sub> single crystals.  
M. Ajitha Sweetly, S. Ramalingom. T. Chithambarathanu [NCRAM]-2013; page 11-16. National Conference on recent advances in Materials. 9-10 April. 2013 at B.S. Abdur Rhaman University, Vandalur, Chennai. ISBN 978-81-8984354-0.
2. Crystallization and Characterization of NaClO<sub>3</sub> single crystals.  
M.Ajitha Sweetly, S. Ramalingom. T. Chithambarathanu. NSAP-2011  
National Seminar on Advances in Physics 10-11 March 2011 at Manonmaniam Sundaranar University, Tirunelveli.
3. Crystallization and Characterization of NaBrO<sub>3</sub> single crystals.  
M.Ajitha Sweetly, S. Ramalingom. T. Chithambarathanu. NSAP-2011  
National Seminar on Advances in Physics 10-11 March 2011 at Manonmaniam Sundaranar University, Tirunelveli.
4. Crystallization and Characterization of NaClO<sub>3</sub> and NaBrO<sub>3</sub> Mixed crystals.  
M. Ajitha Sweetly, S. Ramalingom. T. Chithambarathanu. NSAP-2011  
National Seminar on Advances in Physics 10-11 March 2011 at Manonmaniam Sundaranar University, Tirunelveli.
5. Crystallization and Characterization of NaCl doped NaBrO<sub>3</sub> Single crystals.  
M.Ajitha Sweetly, S. Ramalingom. T. Chithambarathanu.  
[NCPNM]- 2012. National Conference on Physics of New materials . 20-21 April 2012 at Noorul Islam University, Kumaracoil, Thuckalay.

6. Synthesis, Spectral and Thermal Properties of ammonium chloride doped  $\text{NaClO}_3$  single Crystals.

M.Ajitha Sweetly, S. Ramalingom. T. Chithambarathanu.

[NSMNM]-2013. National Seminar on Materials and Nano materials 7-8 March-2013 at St.Xavier's College (Autonomous). Palayamkottai.