General Introduction
Chapter 2

Experimental Techniques
NIR fluorescence studies of Nd$^{3+}$: TCZNB glasses

---

*Paper based on this work is communicated to Material Express.*
Spectroscopic studies of $Sm^{3+}: \text{TRZNB glasses}$

Paper based on this work is published in
Visible luminescence of $\text{Dy}^{3+}: \text{TCZNB glasses}$
Chapter-6

Spectroscopic properties of $\text{Er}^{3+}$: TCZNB glasses

Paper based on this work is communicated to Journal of Luminescence.
Chapter 7

Summary and future scope of work
Publications