

Contents

Vorwort von Ulrich Kattmann: Fachdidaktisches Wissen zur Evolution fördern	3
1. General Introduction	5
2. A Research Model for the Study of Science Teachers' PCK and Improving Teacher Education	10
3. Teachers' Views on Understanding Evolutionary Theory: A PCK-Study in the Framework of the ERTE-Model	23
4. Teaching Evolution with Historical Narratives	37
5. A Conceptual Analysis of Evolutionary Theory for Teacher Education	49
6. Conclusion and Outlook	67
A. Appendix: Interview Protocol	70
B. Appendix: Interview Data	72
Bibliography	86
Deutsche Zusammenfassung (German summary)	96
Curriculum Vitae	98