CONTENTS

| Lis | t of illustrations | vii |
|-----|--|-----|
| Lis | t of contributors | ix |
| | | |
| | Introduction Shirley Larkin | 1 |
| 1 | Understanding the role of mind wandering and mindfulness in creativity David D. Preiss and Benjamín Carmona | 7 |
| 2 | Who are the students in metacognition research in high school science education?: Reflections on ecological validity, representative design, and generalisability <i>Gregory P. Thomas</i> | 28 |
| 3 | Teachers' professional competence to support metacognition Charlotte Dignath and Yves Karlen | 45 |
| 4 | Are students who use the internet to assist with assignments prone to metacognitive overestimations? Stephanie Pieschl, Janene Budd and Björn Mattes | 67 |
| 5 | The effect of metacognitive use of learning strategies on student test performance Eriko Ota, Emmanuel Manalo and Natalia Suárez Fernández | 86 |

| 6 | Metacognition and self-regulated learning in a manipulative robotic problem-solving task Margarida Romero and George Kalmpourtzis | 105 |
|-----|---|-----|
| 7 | The role of automatic and analytic processes in mathematics performance: Cognitive inhibition and metacognition Fatma Acar and Emine Erktin | 124 |
| 8 | Supporting metacognitive and cognitive processes during self- study through mobile learning Martine Baars and Olga Viberg | 147 |
| 9 | Teacher metacognition: Is there a role for personal construct psychology? Shirley Larkin | 167 |
| 10 | Mindfulness as metacognition: Implications for research and practice in education Tomasz Jankowski | 187 |
| Ind | lex | 202 |