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| 1      | 47       | Enlivening the Teaching and Learning of Chemistry  | Reshma Kiran C.H.   | India           |
| 2      | 48       | Bringing Excitement into Chemistry through Action Research                                       | Karanam Bhaskar and Neeraja Raghavan                            | India           |
| 3      | 49       | Action Research on Mixed Age Group (MAG) Classes for Mathematics in Middle School                | Hema Gowda, Kanchana Suryakumar and Shubha Venkataraman         | India           |
| 4      | 51       | Effect of an Online Schema Based Learning Course on Conceptual Understanding of Physics Problems | Manoj Praveen Gopalakrishnan                                    | India           |
| 5      | 56       | Towards Development Of A Scale Based On The Concept Of Science Field In Indian Context           | Ramjit Kumar and Smriti Singh                                   | India           |
| 6      | 58       | Understanding Inertia of Motion Through Galileo's Inclined Plane Experiment                      | Vijetha K.R., Ramasimha B. Raghavendra Maigur and Nagaraja H.S. | India           |
| 7      | 60       | Establishing a Community of Participation in a Primary Mathematics Classroom: An Action Research | Pooja Keshavan Singh and Haneet Gandhi                          | India           |
| 8      | 69       | Teaching One-Dimensional Time Independent Schrodinger Equation using Spreadsheet                 | Ashish Desai, Rajendra Adhikari and Vijay Peddasingh            | India and Nepal |
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| 12 | 77 | Astronomy Education: A Case for Blended Learning  | Sheetal Chopde and Shamin Padalkar                           | India |
| 13 | 79 | A Conceptual Test for the Physics Laboratory: Question-Framing Aids Articulation but also Reveals Susceptibility of Beliefs     | Anish Mokashi and Karthik Bhat                               | India |
| 14 | 84 | Use of Tarsia Grid as a Teaching Aid to Facilitate Active Learning in Chemistry Education                                       | Aarthi P, Helen Kavitha and Vimala Oak                       | India |
| 15 | 86 | The Conceptual Grid Method: An Effective Approach to Problem Solving in Physics   | H.S. Vinay Deepak Chitkala B.C. and Nagaraja H.S.            | India |
| 16 | 90 | What Faraday Couldn't See in His Gold Sols. Using Classic Research Articles to Implement Problem-Based Learning in Nanoscience. | Sangeetha Balakrishnan                                       | India |
| 17 | 91 | Science Technology Engineering Mathematics (STEM) Land: Fostering Responsibility in   | Sanjeev Ranganathan Arun Iyyanarappan Poovizhi Patchaiyappan | India |

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| 18 | 102 | Design and Technology Education's Potential to Address Diversity           | Adithi Muralidhar,<br>Rohan Kapil and<br>Sugra Chunawala   | India |
| 19 | 103 | Misconceptions in Astronomy Present in High School Teachers: A Pilot Study | Aniket Sule and<br>Swapnil Jawkar  | India |
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