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**PUBLICATIONS :**

1. Boštjan Brešar, Tanja Gologranc, Manoj Changat & Baiju Sukumaran, Cographs Which are Cover-Incomparability Graphs of Posets, order, <https://doi.org/10.1007/s11083-014-9324-x>, 2014
2. BoštjanBrešar, ManojChangat, Tanja Gologranc, MatjažKovše and Baiju Sukumaran, Cover-Incomparability graphs and two-colored diagrams of posets, Taiwanese Journal of Mathematics, [Vol. 18, No. 4](https://www.jstor.org/stable/taiwjmath.18.issue-4), p1243-1255, 2014
3. Baiju Sukumaran, 2-Colored and 3-Colored Diagrams of Posets in Cover-incomparability Graphs, International Journal of Mathematics Trends and Technology(IJMTT)*.*V53(4):267-269 January 2018.
4. Baiju.S, Forbidden 2-Colored and 3-Colored Posets Of Cover-Incomparable Line Graphs, International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.5, Issue 2, page no.273-276, 2018
5. Baiju Sukumaran, Forbidden 3-colored posets of cover incomparable Line graphs, International Journal for Research in Applied Science and Engineering Technology, Volume 6, p3397-3402, 2018
6. Baiju Sukumaran and Antony Mathews, Posets and Forbidden induced subgraph of the Line graph, Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 7, p804-810, 2018.
7. Baiju Sukumaran, Sibi C Babu andAthul T B, Forbidden induced subgraph of the Comparability Graph and Three Colored Posets, Research Review International Journal of Multidisciplinary, Volume 3, Issue 9, 2018.
8. Baiju Sukumaran, Sibi C Babu and Antony Mathews Posets and Forbidden induced subgraph of the Comparability Graph, Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 8, p211-214-810, 2018.
9. Baiju Sukumaran, et.al., Cover-Incomparability graphs and Delta-preserving 3-colored diagrams of posets, International Journal of Creative Research Thoughts, Volume 6, page 1383-1386, 2018.
10. Baiju Sukumaran, et.al.,Forbidden induced subgraph of the Line graph and covering preserving subposets, Research Review International Journal of Multidisciplinary, Volume 3, p 629-633,2018.

**Research Students**

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| --- | --- | --- |
| **Name of the scholar** | **Year of registration of the scholar** | **Title of the thesis for scholar** |
| Suresh Babu K | 2019 | Algebraic Graph Theory in Association with Abandond Semigroup |