1. Graphs on surfaces : embeddings, covers and lifts. Genus of a graph.
2. Interval graphs. Structure vs algorithmic aspects : Which problems become easy and which remain hard ?
3. Snarks.
4. Hamiltonicity of graphs : Sufficient and necessary conditions.
5. Colorings of oriented graphs.
6. Domination vs independent domination in graphs.
7. Infinite graphs and graph limits.
8. Groups and graphs : Cayley graphs, automorphism group, group actions, transitivity.
9. Graph generation and enumeration : from theory to practice.
10. Ramsey theory for graphs.
11. Cop and robber games vs width parameters.
12. Nowhere-zero flows in graphs.
13. Chromatic polynomial of a graph.
14. Book embedding and stack number.
15. Universal graphs of graph families.
16. The Erdos-Posa property.
17. Intersection graphs of shapes (cycles...).
18. Complete colorings and the achromatic number.
19. Rainbow {colorings/paths/matchings...}