Stellingen

1. The solubility limits of diverse metabolites obscure underlying differences between samples. This is the main obstacle to an effective metabolomics -this thesis-

2. Hairs are one of the most versatile and successful protection strategies ever engineered by nature -this thesis-

3. Albeit being the best preparative separation technique countercurrent chromatography will hardly get a competitive level of automation -this thesis-

4. Despite their widespread occurrence and the prevailing belief among ecologists phenolics were not meant in plants to resist herbivores -this thesis-

5. There is not and there will never be such a thing as a universal solvent

6. The saying “all low apples have been picked” does not apply to relatively young fields like plant-herbivore interactions

7. Metabolomics has changed systems biology perhaps as much as Internet has changed the world

8. Phenolics are health beneficial not because of their antioxidant properties but because of their toxicity, which modulates vital cellular functions


9. The time of erudition is gone long ago; this is now the era of interdisciplinary cooperation

10. To be a good scientist, having a clear mind is as important as having the right knowledge

11. If everything else is given, genuine devotion makes the difference between sufficient and outstanding

12. Hypocrisy: Western countries support a so-called Arab revolution organized by groups previously labelled by them as extremists. Perhaps these groups are a product and an instrument of the West