

Melzer over the past few years have made some notable contributions to the global Biocides Industry. These include:

1. Melzer was the first biocide manufacturer in global context to introduce 'polyencapsulated' biocide formulations in year 2004. The development as also successful commercialization of products was announced in Global Conference II on Biocides, in Berlin, Germany, in 2005. The first application area was for preservatives used in Paint sector, but today, Melzer has extended the technology to many application sectors of biocides, such as paper, leather, textiles, cosmetics etc.,. Eight years later, a couple of biocide manufacturers from Europe have announced availability of their biocide formulations based on encapsulation technology and a few having declared to introduce similar formulations soon, thus accepting the Technology Leadership that Melzer provided.
2. Melzer is again the first Biocide manufacturer in global context, to use 'the technique of mathematical modeling' to revolutionize biocide formulations. Formulation-needs of many types often arise, where usage conditions of a biocide are not static but randomly dynamic in nature. (That means, during the usage of a biocide, there are too many variants simultaneously in operations, the changes in conditions occur randomly and not in pre-determined or predictable manner. But such variations were not considered, instead DATA under static evaluations on biocide's microbiological action path was simply accepted as if it would remain valid under operative dynamic conditions too). By running Fourier transform equation on each variant involved to make a random change, further on integration of all such equations and by their projection, Melzer derived newer formulation parameters, and corresponding products gave better performance.
3. Melzer is the first biocide manufacturer/formulator in global context, who took initiative and provided the revolutionized products in 2003-04 onwards by minimizing the presence of associated impurities in products which may contribute to unknown toxicity to users and also create threat to environment.
4. Melzer happens to be the first biocide manufacturer once again in global context, who proclaimed on open platforms of International Conferences on Biocides that many questions related to 'how biocides function' had not been answered in last few decades by biocide industry, and that, Melzer successfully attempted to provide those answers with the records of performance as well as safety from the usage of the formulated biocides; but while remaining within the overall domain of existing European as also US regulations on biocides.
5. Melzer's quite a few formulations have been aqueous today, and many of them with encapsulation technology. Melzer is known for innovations in formulation for achieving ease and safety from their usage.

6. Melzer in yr 2010-11 introduced newer purity and high-temperature stability benchmark on biocides, which are used in O & G sector, in order to achieve higher environment and user safety, with assured performance.
7. Melzer introduced many new concepts for “ease of usage of biocides and safety from them”, called under ‘Application Technology on Biocides’; all originated from Melzer’s team, which also rightly address Sustainability issues on Biocides.