High power deep UV-LEDs for analytical optical instrumentation

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Spectrophotometry <paper review>

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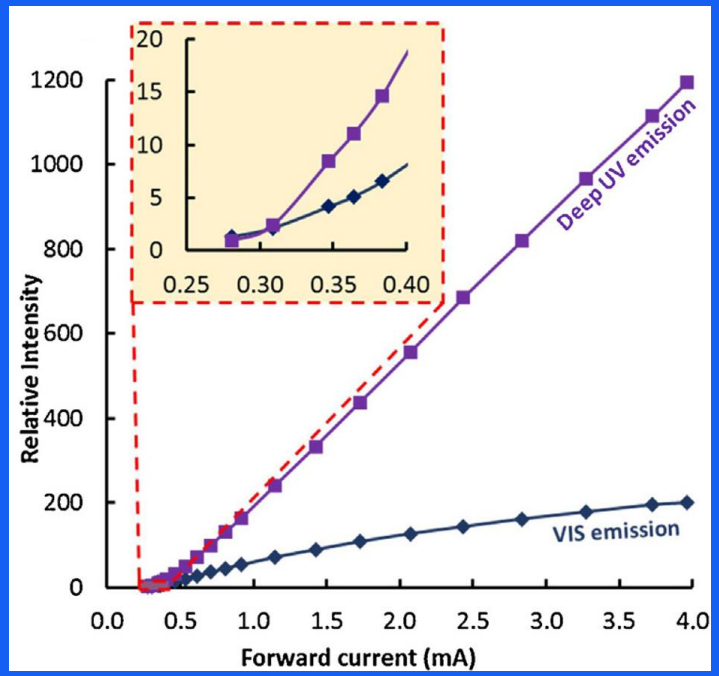
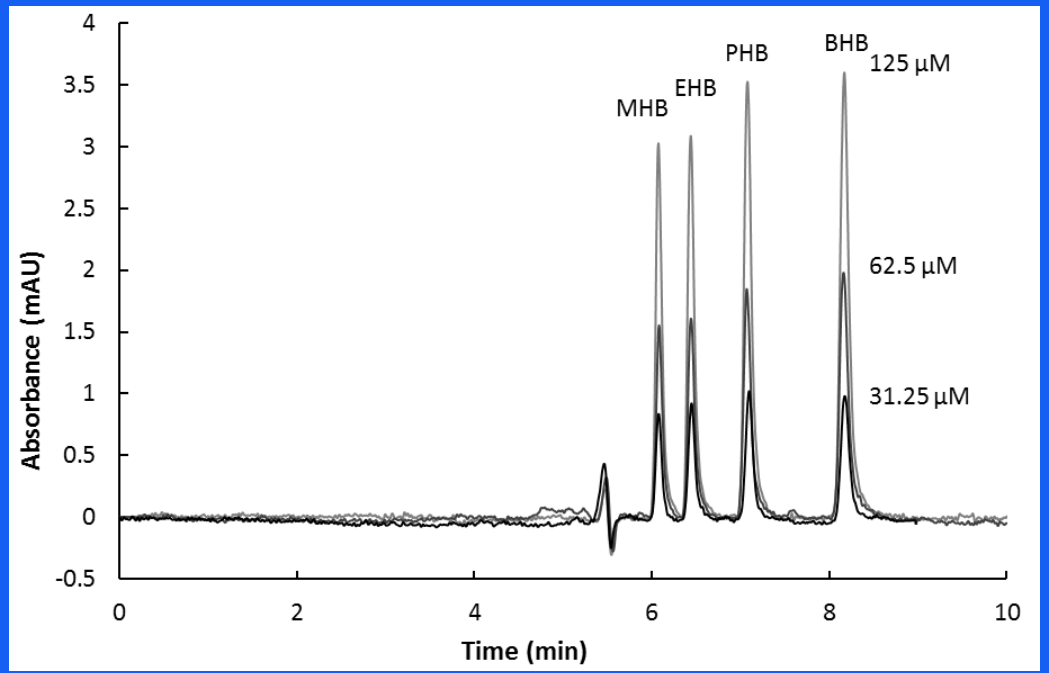
LEDs offer a better alternative to traditional UV sources (low-cost, small size, robustness, portability, and low noise).

Li et al. intention was to report the performance newly deep UV-LEDs and investigate their feasibility for analytical applications.

- With increasing input current the ratio of VIS parasitic emission to the deep UV emission decreases



- The performance was demonstrated by detecting four parabens.



The new deep UV-LED noise was low, which is approximately 10 times lower than the noise using the old generation deep UV-LEDs