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Nota di contenuto	1. Introduction -- 2. Ultraviolet disinfection process concepts and equipment systems -- 3. Bioassay methods to determine the ultraviolet dose (fluence) delivery and ultraviolet system -- 4. Innovations and advances in ultraviolet reactor analysis and validation -- 5. Process design and system sizing -- 6. Equipment selection, facility design, and project delivery -- 7. Ultraviolet project delivery, startup, and commissioning -- 8. Operational considerations -- 9. Case studies.