

Supplementary Materials: Coumarin-Containing Polymers for High Density Non Linear Optical Data Storage

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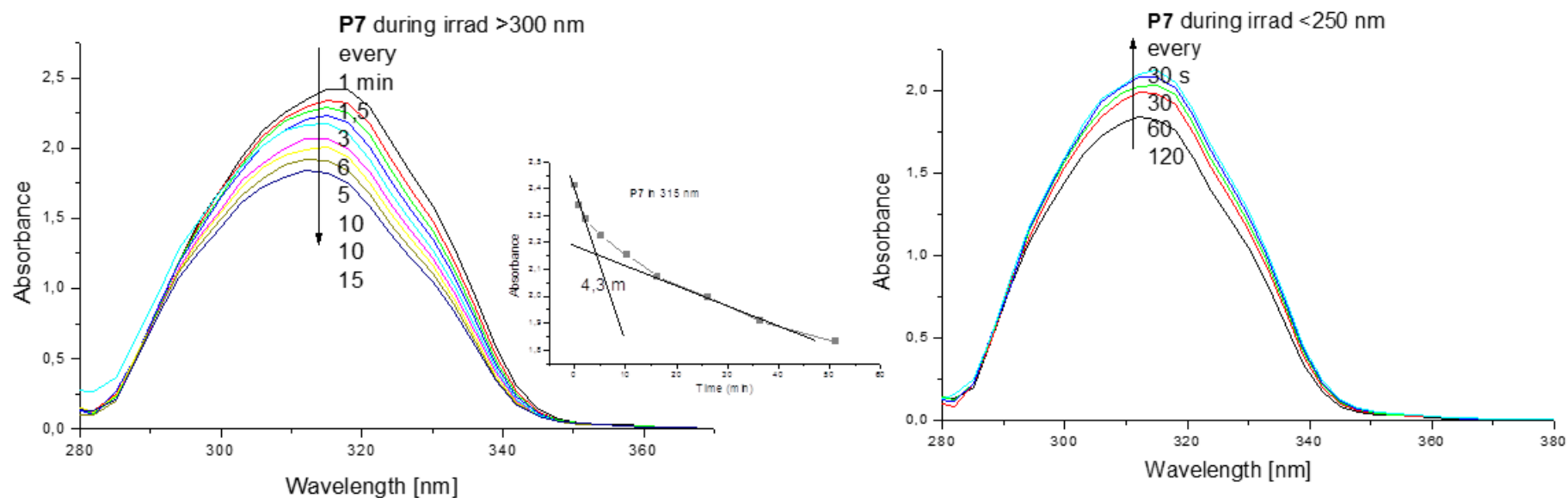


Figure S1. Cont.

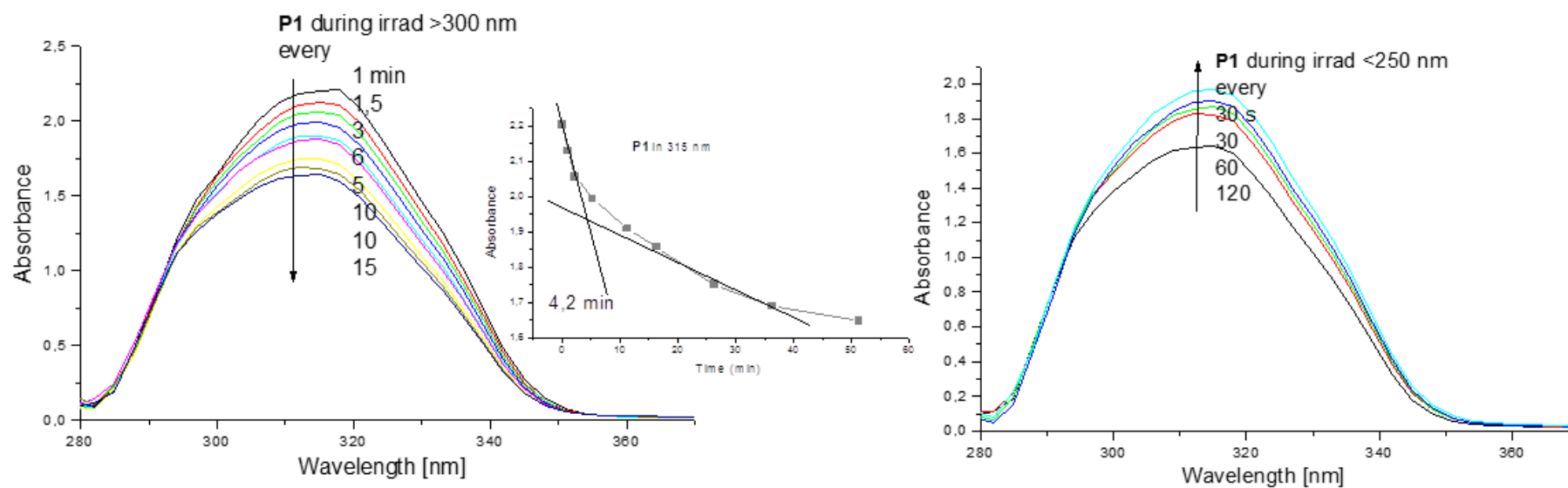


Figure S1. Changes in the absorption spectrum of polymer **P7** and **P1** in thin film before (1) and after periods of irradiation at $\lambda > 300$ nm; Changes in the absorption of film polymers at maximum of absorption during irradiation at $\lambda > 300$ nm; Changes of the absorption spectrum cross-linked polymer in thin solid film before (1) and after time of UV irradiation at $\lambda < 254$ nm.

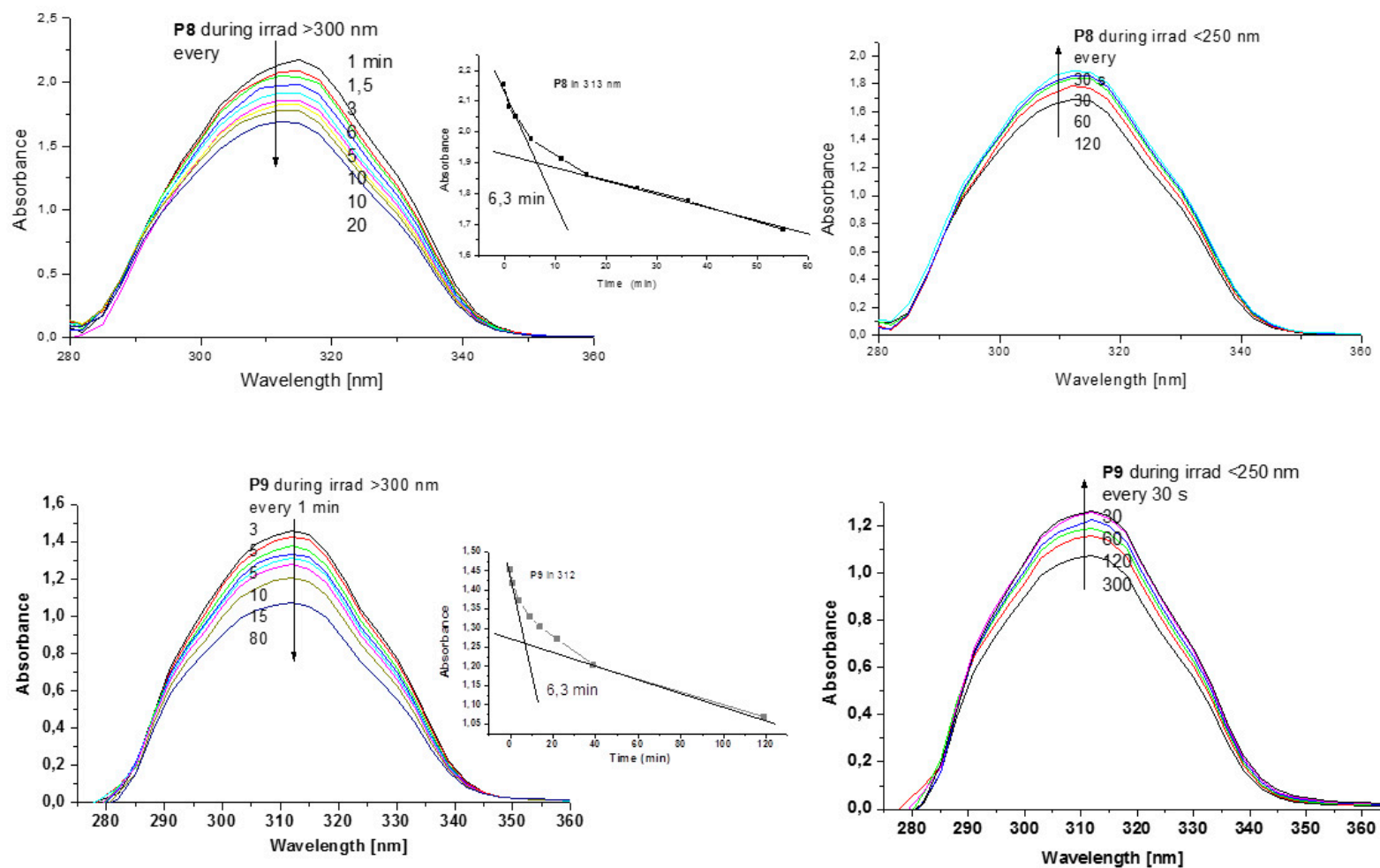


Figure S2. Changes in the absorption spectrum of polymer **P8** and **P9** in thin film before (1) and after periods of irradiation at $\lambda > 300$ nm; Changes in the absorption of film polymers at maximum of absorption during irradiation at $\lambda > 300$ nm; Changes of the absorption spectrum cross-linked polymer in thin solid film before (1) and after time of UV irradiation at $\lambda < 254$ nm.

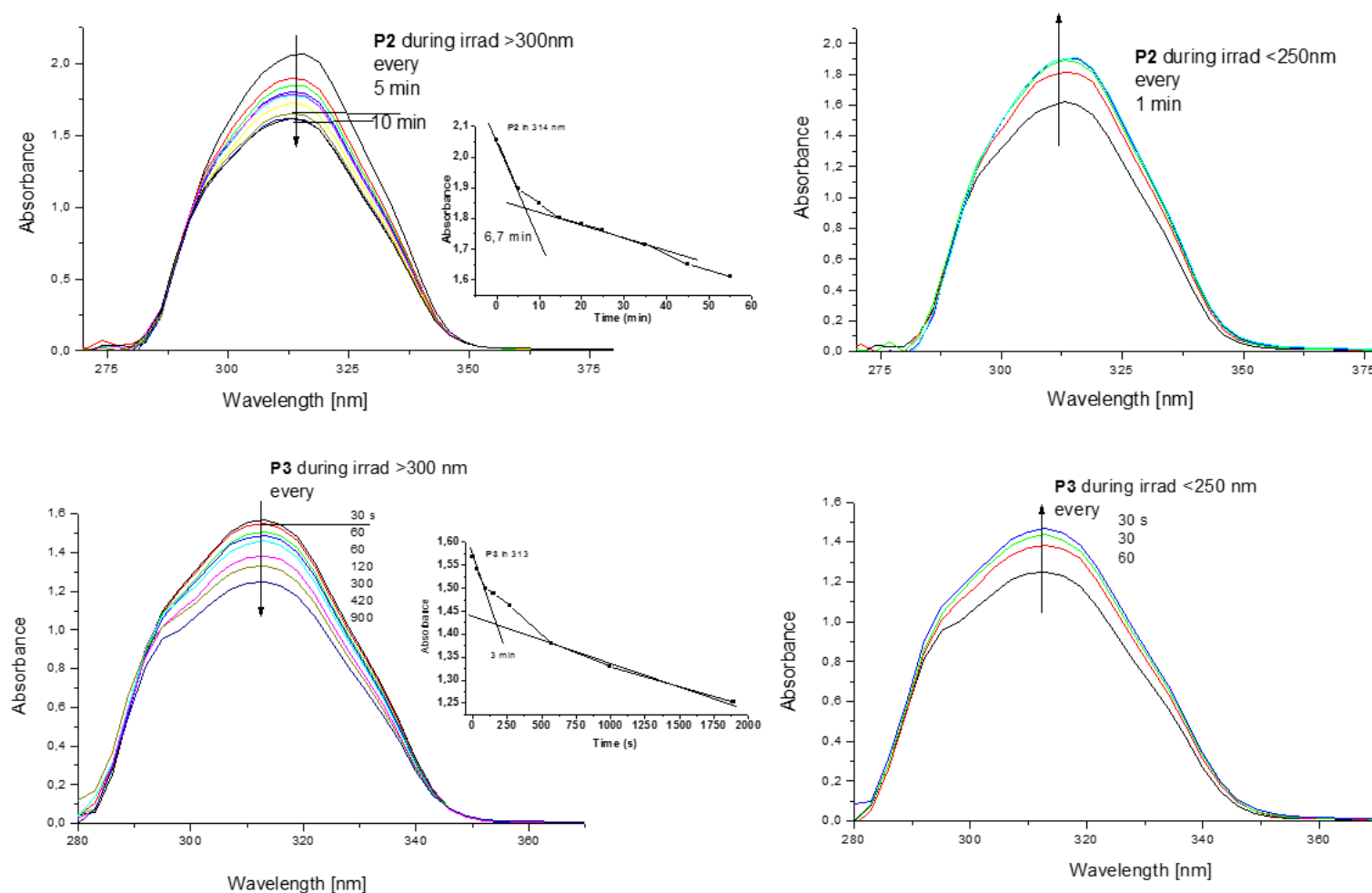


Figure S3. Changes in the absorption spectrum of polymer **P2** and **P3** in thin film before (1) and after periods of irradiation at $\lambda > 300$ nm; Changes in the absorption of film polymers at maximum of absorption during irradiation at $\lambda > 300$ nm; Changes of the absorption spectrum cross-linked polymer in thin solid film before (1) and after time of UV irradiation at $\lambda < 254$ nm.

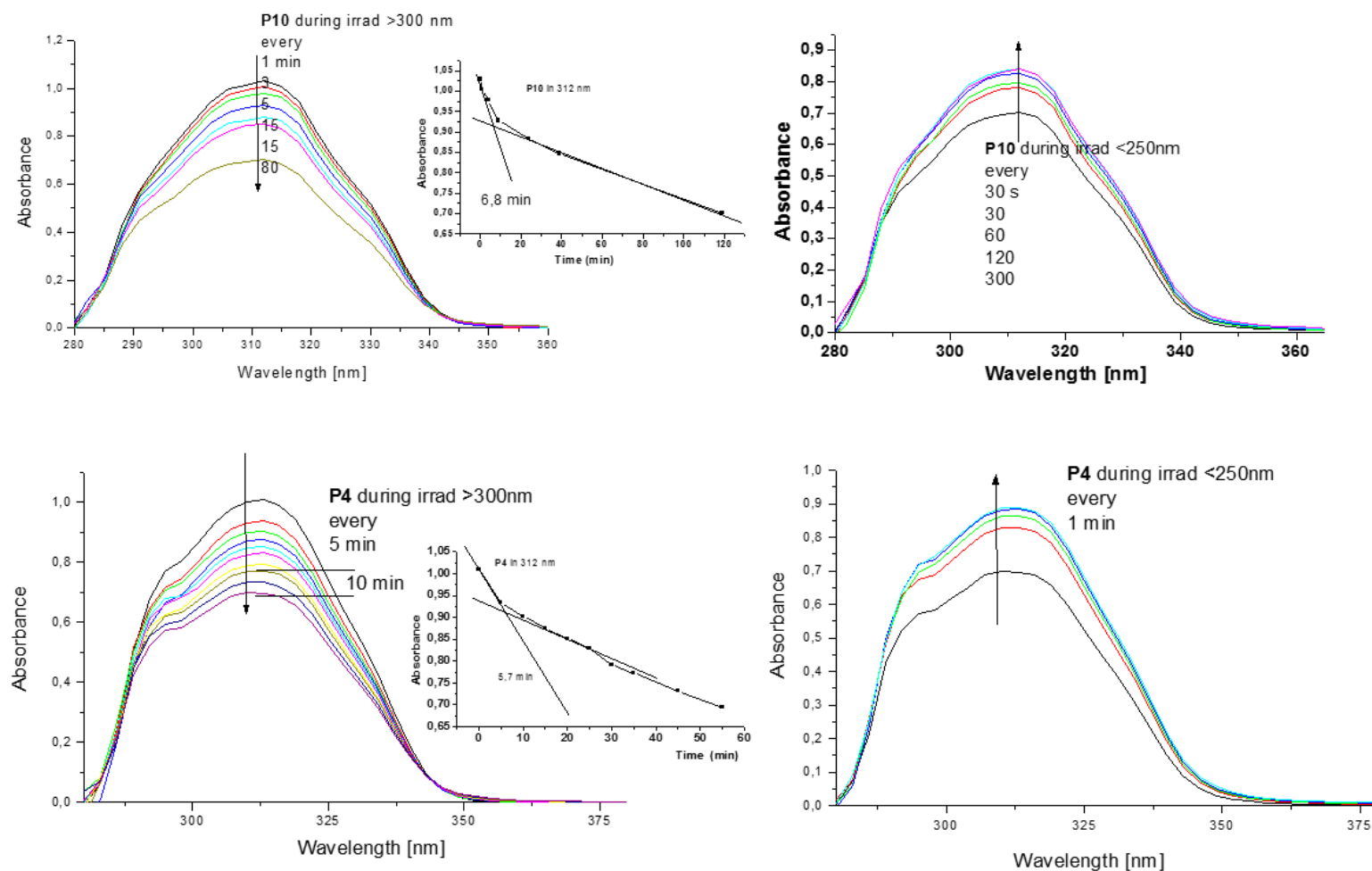


Figure S4. Changes in the absorption spectrum of polymer **P10** and **P4** in thin film before (1) and after periods of irradiation at $\lambda > 300$ nm; Changes in the absorption of film polymers at maximum of absorption during irradiation at $\lambda > 300$ nm; Changes of the absorption spectrum cross-linked polymer in thin solid film before (1) and after time of UV irradiation at $\lambda < 254$ nm.

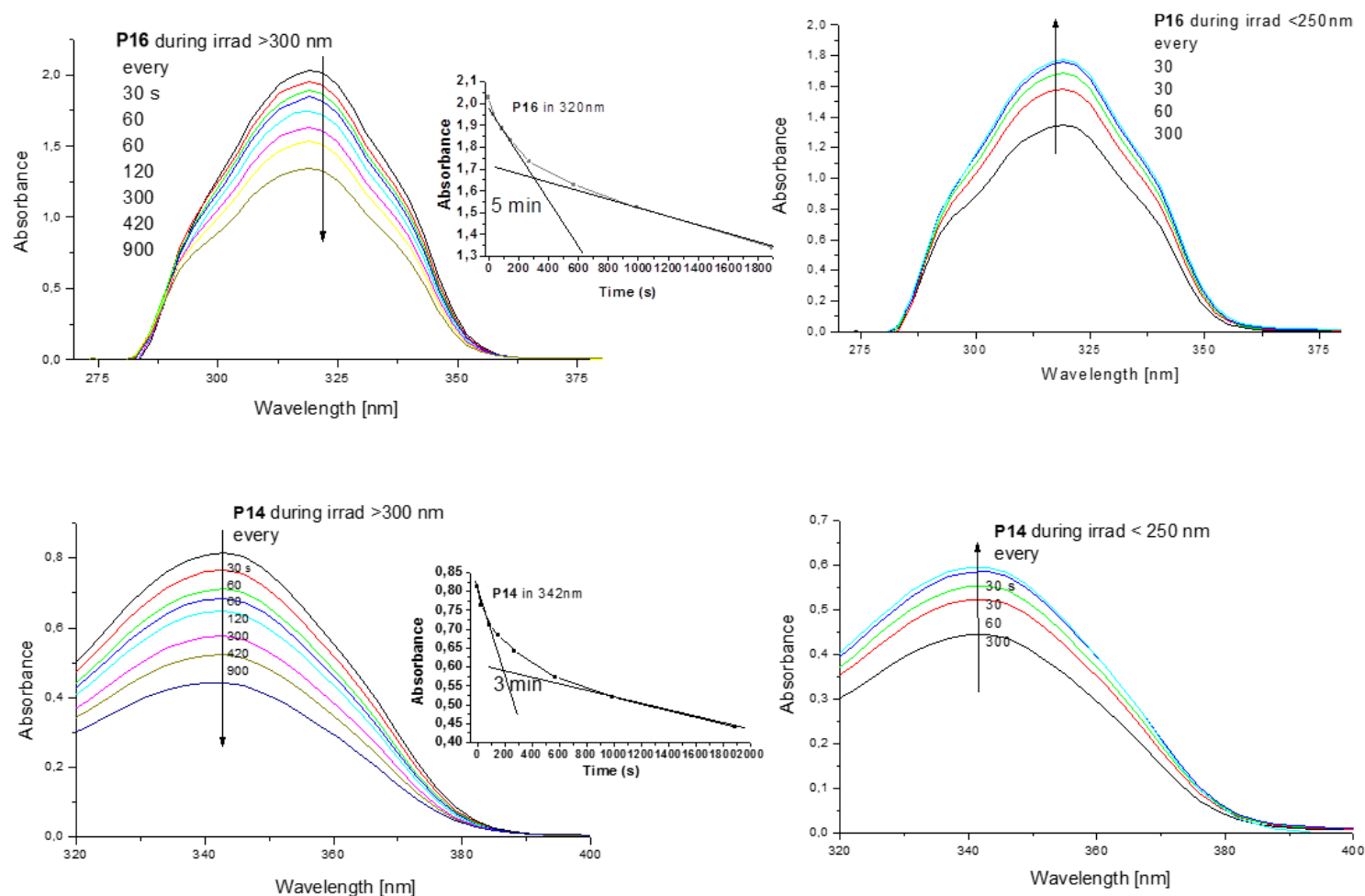


Figure S5. Changes in the absorption spectrum of polymer **P16** and **P14** in thin film before (1) and after periods of irradiation at $\lambda > 300$ nm; Changes in the absorption of film polymers at maximum of absorption during irradiation at $\lambda > 300$ nm; Changes of the absorption spectrum cross-linked polymer in thin solid film before (1) and after time of UV irradiation at $\lambda < 254$ nm.

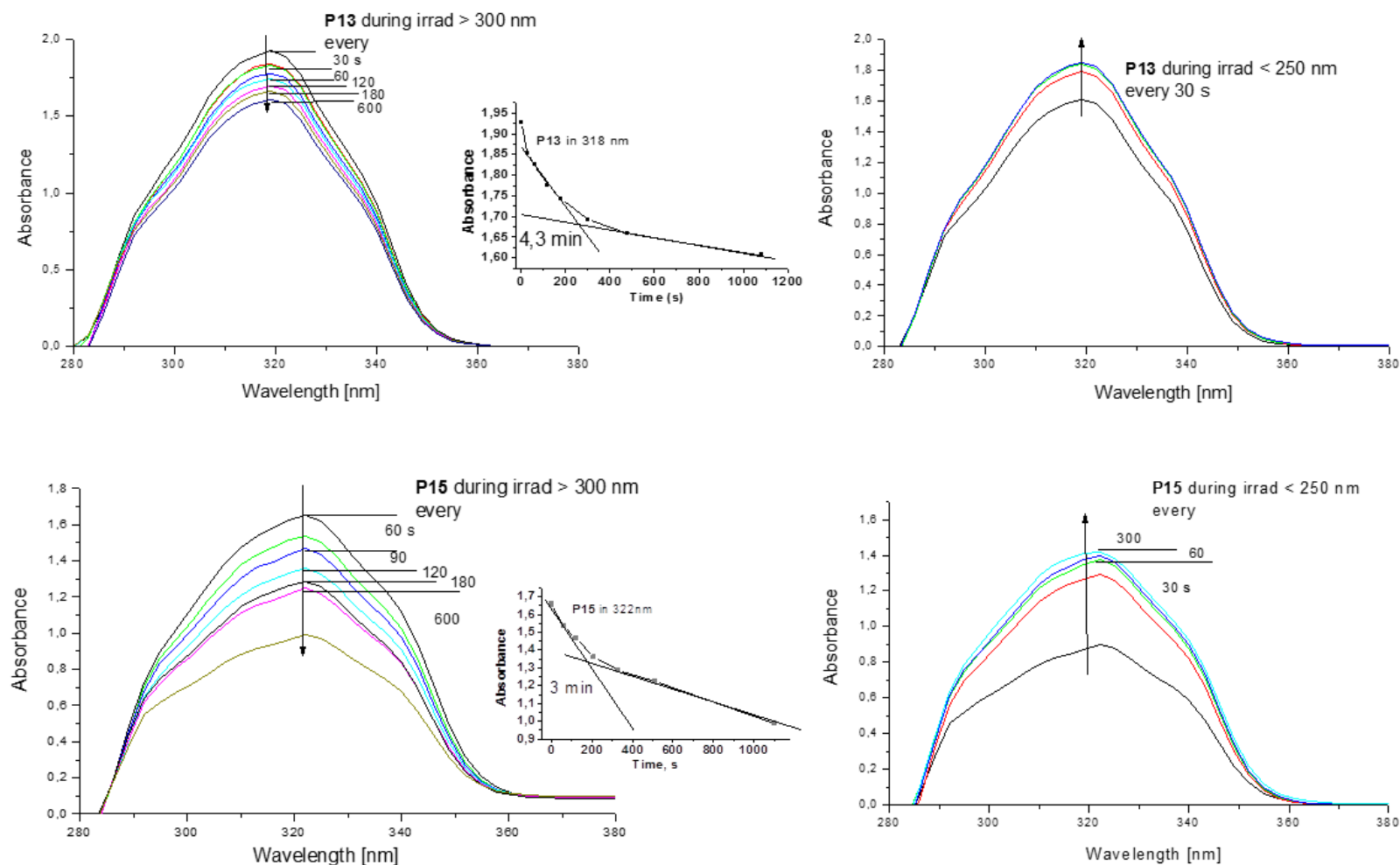


Figure S6. Changes in the absorption spectrum of polymer **P13** and **P15** in thin film before (1) and after periods of irradiation at $\lambda > 300$ nm; Changes in the absorption of film polymers at maximum of absorption during irradiation at $\lambda > 300$ nm; Changes of the absorption spectrum cross-linked polymer in thin solid film before (1) and after time of UV irradiation at $\lambda < 254$ nm.