

# Plasmonic Diffractive Optics and Imaging: feature introduction

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We introduce, with pleasure, this feature issue on Plasmonic Diffractive Optics and Imaging. Plasmonics, the study of surface plasmon polaritons, is an active research field worldwide. After the initial research stage, inspired and spurred on by optical scientists, this field of research attracted the attention of many chemists, biologists, and optical engineers. One of the important areas that might find practical applications is plasmonic diffractive optics and imaging.

Among the many submissions, we selected six papers after the peer review process. We are grateful to all the authors who submitted manuscripts and the reviewers for their effort and time.

The topics of the feature papers include plasmonic imaging through waveguides, metallic nanocluster metamaterial, surface wave focusing with metallic metamaterial, a metal–dielectric waveguide structure filter, beam focusing by an optimized metal slit array structure, and imaging performance improvement of a metallic superlens.

Although there are just a few papers in this inaugural feature issue, we hope that the readers find the collection stimulating and this field of research interesting and attractive.