

BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA
INSTITUTO DE FÍSICA
“Ing. Luis Rivera Terrazas”



SEMINARIO SEMANAL
“Jesús Reyes Corona”

**“Microwaves in the synthesis of
luminescent nanoparticles”**

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In our research group we have dedicated ourselves to the synthesis of luminescent materials using different techniques, among which mainly ultrasonic pyrolytic spray. On this occasion, I would like to present about another technique known as microwaves that we have also used for the synthesis of hybrid, inorganic, organic luminescent compounds as well as metal-organic frameworks, all of them are obtained in nanometric size with good reproducibility and especially in very short reaction times. In this seminar, the fundamental aspects of the synthesis of luminescent nanomaterials using the microwave technique will be presented. The theory of why chemical reactions are very fast will be reviewed very briefly. Results about the reaction experimental conditions, structural and optical from other researchers will be shown as well as ours.

Auditorio del Instituto
Viernes 27 de octubre de 2023
13:00 hrs