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Apellidos:

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Título Profesional o Grado Académico (incluya el año de obtención):

**PROFESOR DE ESTADO EN QUÍMICA, UNIVERSIDAD DE CHILE, 1967**

Actividad Actual e Institución en la cual trabaja:

**PROFESOR TITULAR DE LA UNIVERSIDAD DE CHILE. DEPARTAMENTO DE QUÍMICA, FACULTAD DE CIENCIAS.**

Reseña de su actividad laboral actual:

Áreas de Investigación: Química Analítica, Espectroscopia Derivada.

Líneas de Investigación: Modelación fisicoquímica de la determinación en estudio; optimización de variables: químicas y espectrales; determinación de parámetros analíticos; aplicaciones.

#### **PUBLICACIONES INDEXADAS:**

Toral, M.I., Nova-Ramírez, F., Nacaratte, F.  
Simultaneous determination of piperacillin and tazobactam in the pharmaceutical formulation tazonam® by derivative spectrophotometry  
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Rivas, J., Toral, M.I., Richter, P.

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Extraction and Determination of Oxytetracycline Hydrochloride and Oxolinic Acid in Fish Feed by Derivative Spectrophotometry of First Order  
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Ferrospectral sorbed on deae sephadex a-25 for the solid phase spectrophotometric determination of iron and cobalt by batch and continuous flow modes  
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Soto, C., Contreras, D., Orellana, S., Yañez, J., Toral, M.I.

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Orellana, S., Soto, C., Toral, M.I.

UV-vis, IR and <sup>1</sup>H NMR spectroscopic studies and characterization of ionic-pair crystal violet-oxytetracycline  
(2010) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 75 (1), pp. 437-443.  
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spectrophotometry using 3-(2'-thiazolylazo)-2,6-diaminopyridine as chromophore ligand  
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Simultaneous determination of chlordiazepoxide and clidinium bromide in  
pharmaceutical formulations by derivative spectrophotometry  
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Sistema de flujo continuo no segmentado con detección polarográfica para la determinación de ranitidina en formas farmacéuticas y orina

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