

CURRICULUM VITAE - PROF. ESTEBAN ALBERTO BRIGNOLE

Datos Personales:

Nacionalidad Argentina, nacido 16 de junio de 1940.-, casado, cuatro hijos

Domicilio : San Andres 406, 8000 Bahía Blanca, Argentina, tel 54 291 4525587

Pasaporte nº 05.484.165 M

1 - ESTUDIOS UNIVERSITARIOS Y DE POSTGRADO:

-Universidad Nacional del Sur - Ingeniero Químico, 1965

-Institutet for Kemiteknik, Universidad Técnica de Dinamarca, Philosophy Doctor en Ing. Química, 1985

2 - ANTECEDENTES LABORALES EN INVESTIGACION Y DOCENCIA:

1. Investigador Superior del CONICET
2. Profesor Titular con dedicación exclusiva de Ingeniería Química, Universidad Nacional del Sur,
3. Catedrático visitante de la Universidad de Vigo, 1997
4. Profesor visitante de las Universidades de Valladolid, Concepción, Monterrey
5. Profesor Emérito de la Universidad Nacional del Sur
6. Investigador Emérito de CONICET
7. Organizador y primer Director del Programa de Investigación y Desarrollo del Complejo Petroquímico de Bahía Blanca – PIDCOP – 1977-1982
8. Director de Planta Piloto de Ingeniería Química 1975 – 1982
9. Director por Ingeniería del Directorio del CONICET 1999-2003

3 - ANTECEDENTES EN ORGANIZACIÓN, EVALUACIÓN Y PLANIFICACIÓN DE ACTIVIDADES DE CIENCIA Y TÉCNICA

1. Cofundador de la Planta Piloto de Ingeniería Química,
2. Organizador del Programa de Investigación y Desarrollo – PIDCOP
3. Cofundador de la Fundación del Sur para el Desarrollo Tecnológico (FUNDASUR)
4. Director Programa UNIDO de Asistencia Técnica al Polo Petroquímico de Bahía Blanca
5. Promotor de la formación del grupo I+D+T+Q, vinculado al PLAPIQUI en Univ. Nac. de Córdoba
6. Presidente de la Comisión de Cooperación Científica Argentina-Francia, 2002
7. Miembro de Junta Consultiva del Plan Nacional de Ciencia y Técnica, 2011
8. Miembro del Directorio de FUNDASUR
- 9. Presidente del Jurado del Premio Bunge y Born , 2007 en Ingeniería de Procesos.-

- 10. Cofundador de la Muestra Permanente de Ciencia y Desarrollo “Casa Coleman” – CONICET-FUNDASUR

4 - FORMACION DE RECURSOS HUMANOS: Dirección de Tesis aprobadas:

Doctorados en Ing.Química:

Carlos Ruiz (codirección)1986; Patricio Araya López 1988; Marcelo Zabaloy, 1992, Soledad Diaz 1993, Eduardo Pretel 1993, Hernán Gros, 1997. Susana Noemí Espinosa, 2001. Beatriz Orge 2001 (codirección), Olga Ferreira 2003, Laura Rovetto 2004, Martin Cismondi 2005, Pablo Sacomani (2007), Raquel Martini(2007) (codirección), Pablo Hegel (2008) dirección, Alexis Vélez (2011), Cecilia Paulo (2011, codirección),. Francisco Sánchez (2013, codirección), Nicolás Gañan (2014), José Scilipotti (2014)

5 – PREMIOS Y DISTINCIONES

- Profesor Emérito de la Universidad Nacional del Sur
- Diploma al Mérito Científico de la Fundación Konex en Ing.Química para el período 1993-2003.
- Primer Premio a la Innovación Tecnológica 2005 de la Fundación REPSOL-YPF, por el proyecto Rotura de Emulsiones Agua Petroleo para protección ambiental
- Miembro del Comité Editorial del Journal of Supercritical Fluids, Elsevier.
- Editor Honorario de Latin American Applied Research
- Premio “Consagración” en Ingeniería, año 2009 de la Academia Nacional de Ciencias Exactas, Físicas y Naturales.
- Premio “Bernardo Houssay” en Ingeniería a la Trayectoria, otorgado en el año 2010 por el Ministerio de Ciencia y Tecnología de la Nación
- Distinción Presidencial “Investigador de la Nación Argentina”, otorgado en el año 2010.
- Investigador Emérito del CONICET.

6 - PUBLICACIONES:

Scilipoti, J., Cismondi, M., Brignole, E.A.

Prediction of physical properties for molecular design of solvents

(2014) *Fluid Phase Equilibria*, 362, pp. 74-80.

Gañán, N., Brignole, E.A.

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Martini, R.E., Brignole, E.A., Barbosa, S.E.

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Gañán, N., Brignole, E.A.

Fractionation of essential oils with biocidal activity using supercritical CO₂ - Experiments and modeling

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Sánchez, F.A., Pereda, S., Brignole, E.A.

GCA-EoS: A SAFT group contribution model-Extension to mixtures containing aromatic hydrocarbons and associating compounds

(2011) *Fluid Phase Equilibria*, 306 (1), pp. 112-123.

Velez, A., Pereda, S., Brignole, E.A.

Isochoric lines and determination of phase transitions in supercritical reactors

(2010) *Journal of Supercritical Fluids*, 55 (2), pp. 643-657. Cited 5 times.

Andreatta, A.E., Lugo, R., de Hemptinne, J.-C., Brignole, E.A., Bottini, S.B.

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Velez, A., Hegel, P., Mabe, G., Brignole, E.A.

Density and conversion in biodiesel production with supercritical methanol

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Sánchez, F.A., Soria, T.M., Pereda, S., Mohammadi, A.H., Richon, D., Brignole, E.A.

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Valle, P., Velez, A., Hegel, P., Mabe, G., Brignole, E.A.

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Diaz, M.S., Espinosa, S., Brignole, E.A.

Model-based cost minimization in noncatalytic biodiesel production plants

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cyclohexane + 1-pentanol + anisole at 101.32 kPa

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(2001) *Computer Aided Chemical Engineering*, 9 (C), pp. 375-380.

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(2000) *Computers and Chemical Engineering*, 24 (9-10), pp. 2069-2080.

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7 - TRABAJOS DE INVESTIGACION Y DESARROLLO PARA LA INDUSTRIA

Más de 50 Informes de Proyectos realizados para la industria , en el marco del PLAPIQUI/PIDCOP y FUNDASUR-CONCET, para entre otras las siguientes empresas: Gas del Estado, TGS, PBB, Carboclor, YPF, Proyecto MEGA, PASA, Carboclor, Perez Companc, Procter and Gamble, REPSOL, Universidad Autonoma de Madrid, Instituto Francés del Petróleo, British Petroleum, Explora SA., Veng SA