

Alberto Minassi

PERSONAL DATA

Born at Novara on August 12, 1975

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BIO AND EDUCATION

1994. Maturità scientifica (Liceo San Lorenzo, Novara)

2000. Laurea in Chimica e Tecnologia Farmaceutiche (University of Piemonte Orientale)

2004. PhD in Scienze delle Sostanze Bioattive (Faculty of Farmacia, University of Piemonte Orientale)

2002-2003. Visiting Student at Endocannabinoid Research Group, CNR Pozzuoli

2008. Visiting Professor at laboratory of Prof. Clayden, University of Manchester

UNIVERSITY CAREER

2015-	Associate Professor, University of Piemonte Orientale
2006-2015	Lecturer, University of Piemonte Orientale
2004-2006	Research Fellow, University of Piemonte Orientale

MAIN FIELDS OF INTEREST

1. Organic Chemistry
2. Chemistry of Natural Products
3. New Synthetic Methodologies in Organic Chemistry

CURRENT ISSUES OF RESEARCH

1. **Spices as a source of new biologically active molecules**

Study and chemical modification of natural products derived from spices of relevance for drug discovery (curcumin, capsaicin)

2. **New synthetic methodologies applied to the synthesis of natural compounds**

Study and development of new synthetic methodologies applicable to the synthesis of biologically active natural products (cannflavin B, arzanol)

3. Study of the reactivity of simple terpene compounds induced by Lewis acids

Study of the reactivity of simple terpenic systems induced by Lewis acids, as a source of new derivatives with high molecular complexity (zerumbone)

TOP FIVE PAPERS

1. N-Acylvanillamides: Development of an Expedient Synthesis and Discovery of New Acyl Templates for Powerful Activation of the Vanilloid Receptor. Appendino, Giovanni; Minassi, Alberto; Morello, Aniello Schiano; De Petrocellis, Luciano; Di Marzo, Vincenzo *Journal of Medicinal Chemistry* (2002), 45(17), 3739-3745
2. A Regiodivergent Synthesis of Ring A C-Prenylflavones Minassi, Alberto; Giana, Anna; Ech-Chahad, Abdellah; Appendino, Giovanni *Organic Letters* (2008), 10(11), 2267-2270.
3. Tandem β -alkylation- α -arylation of amines by carbolithiation and rearrangement of N-carbamoyl enamines (vinyl ureas) Clayden, Jonathan; Donnard, Morgan; Lefranc, Julien; Minassi, Alberto; Tetlow, Daniel J. *Journal of the American Chemical Society* (2010), 132(19), 6624-6625.
4. A Multicomponent Carba-Betti Strategy to Alkylidene Heterodimers - Total Synthesis and Structure-Activity Relationships of Arzanol Minassi, Alberto; Cicione, Lavinia; Koeberle, Andreas; Bauer, Julia; Laufer, Stefan; Werz, Oliver; Appendino, Giovanni *European Journal of Organic Chemistry* (2012), 2012(4), 772-779, S772/1-S772/19.
5. Dissecting the Pharmacophore of Curcumin. Which Structural Element Is Critical for Which Action? Minassi, Alberto; Sanchez-Duffhues, Gonzalo; Collado, Juan Antonio; Munoz, Eduardo; Appendino, Giovanni *Journal of Natural Products* (2013), 76(6), 1105-1112.