

**Curriculum Vitae**  
**Andrea Andreoli, PhD**  
Assistant professor of Hydrology and Watershed Management  
Updated October 1st, 2011

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**Personal Information**

First Name: Andrea  
Family Name: Andreoli  
Place of birth: Milano, Italy  
Day of birth: 15 May 1975  
Gender: Male  
Marital Status: Married  
Nationality: Italian  
Address: Departamento Manejo de Bosques y Medio Ambiente  
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**Languages**

1. **Italian:** mother tongue
2. **English:** good (reading, writing, speaking)
3. **Spanish:** good (reading, writing, speaking)

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**Current Position**

**Assistant professor** of Hydrology and Watershed Management at Concepción University (Chile),  
Faculty of Forestry (since December 2007)

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**Education**

- Dec 2006 – Nov 2007:** First-level researcher position at University of Padova within the EU Project "Epic Force: Evidence-Based Policy for Integrated Control of Forested River Catchments in Extreme Rainfall and Snowmelt"; coordinated by Prof. J. Bathurst (University of Newcastle, UK).
- Mar 2007:** PhD in Environmental Watershed Management and Landscape Survey Techniques (Gestione Ambientale dei Bacini Idrografici e Tecniche di Rappresentazione del Territorio), Dept. TESAF, University of Padova joint with doctorate in Forestry Sciences (Ciencias Forestales), Inst. Manejo Forestal, Universidad Austral de Chile  
Dissertation: "Volume and Characteristics of Woody Debris in Mountain Rivers of Italian Dolomites and Southern Andes".  
Advisors: Prof. M.A. Lenzi  
Co-advisor Prof. A. Iroumé
- Dec 2003 - Dec 2006:** PhD scholarship in "Gestione Ambientale dei Bacini Idrografici e Tecniche di Rappresentazione del Territorio (Environmental Watershed Management and Landscape Survey Techniques)", Dept. TESAF, University of Padova joint with

- doctorate in Forestry Sciences (Ciencias Forestales), Inst. Manejo Forestal, Universidad Austral de Chile.
- Sep 1995 - Jul 2002:** Diploma in “Scienze Forestali ed Ambientali (Forest and Environmental Sciences)” at the University of Padova.  
Thesis title: Analisi sperimentale sull’influenza dell’erosione localizzata nella dinamica dei torrenti montani (Experimental study about the influence of local scouring on the dynamics of mountain rivers)  
Advisors: Prof. M.A. Lenzi  
Co-advisor dott. F. Comiti  
Final marking : 105/110.
- Jul 1995:** Secondary School at the Istituto Tecnico Industriale Statale “Feltrinelli”, Milano  
Marking: 48/60.
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## Educational experience abroad

- May – Dec 2005:** Visiting scholarship at the Universidad Austral de Chile (Valdivia), within the PhD exchange program between University of Padova (Italy) and Universidad Austral de Chile, Valdivia (Chile). Ph.D. Coordinators: Prof. M.A. Lenzi (Italy), Prof A. Iroumé Arrau (Chile). Course attended: “Procesos Hidrológicos”.
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## Research Topics

- Influence of large woody (LW) on river ecology and flood risk;
  - Fluviomorphology and Stream Restoration;
  - Local scouring in natural and artificial step-pool systems;
  - Land management and restoration;
  - Flow resistance;
  - Sediment transport.
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## Work Experience

- Dec 2003:** Professional assignment from the “Parco Lombardo della Valle del Ticino” for the preliminary investigation about forest harvesting for the season 2003-2004;
- Jun 2003:** Professional assignment from ERSAF (Regione Lombardia) for the creation of the Forest Management Plan of the Milano Province;
- Apr 2003:** Professional assignment for the study for the Territorial Forest Plan (PTF) of the “pianura alessandrina”. from IPLA S.P.A., Turin. Member of the working group;
- Feb 2003:** Professional assignment from the “Parco Lombardo della Valle del Ticino” for the preliminary investigation about forest harvesting for the season 2002-2003;
- Nov 2002 - Jun 2003:** Professional collaborations at the Forest Consultancy Company “Dr. M. Cereda Studio” (Villasanta, Milan) within the following projects:
- Individuation of the drainage network and implementation of the restoration program for the “Regional Park Montevecchia e Valle del Curone”.
  - Forest Management Plan of the “Brughiera Briantea Park” (vegetation survey, elaboration and cartography);
  - Stream restoration works (design, survey and works direction) in the “Valle di Cabiato” creek (Park of the Brughiera Briantea) with the use of bioengineering techniques;
  - Design and realization of informative boards (geomorphology, forest and hydraulic restoration features) of the “Valle di Cabiato” creek.
  - design, survey and works direction of trails (territory of Comune di Usmate-Velate);

- Design and realization of informative boards (forest and geomorphology features) for a forested area in the territory of Comune di Usmate Velate (Milano);
- design of the Emergency and Coordination Plan (PSC) and Operations of Emergency Plan (POS) relative to forest restoration works in Valtellina (province of Sondrio);
- Oct 2002:** Collaboration with the professional consultancy company "Beta Studio S.r.l." (Padova) for the realization of the hydraulic works' cadastre of the Abruzzo Region (Italy);
- Jul - Sep 2002:** Collaboration with the professional consultancy company "Beta Studio S.r.l." (Padova) for the realization of the hydraulic works' cadastre of the rivers Secchia and Trebbia on behalf of the of Po River Basin Authority;
- Feb – Oct 2000:** Practical training at the Forest Consultancy Company "Dr. M. Cereda studio" (Villasanta, Milano)
  - Forest cuts: tree selection, data analysis (Park of Montevicchia e Valle del Curone and Park of the Brughiera Briantea);
  - Restoration plans (park of Monza);
  - Design and survey of stream restoration measures by bioengineering techniques (Park of Montevicchia e Valle del Curone);
- Aug 1997:** Volunteer at the natural reserve "Vane Farm" of Kinross (Scotland, UK), for the "Royal Society for the Protection of Birds"
- Jul 1996:** Volunteer at the Abruzzi National Park.

## Specialization courses

- Nov 2008** "Uso de la tierra y servicios hídricos de los ecosistemas (Land use and ecosystem hydric services)", Universidad Austral de Chile.
- 14 – 18 Jul 2008** "Estadística descriptiva (Descriptive Statistics)", Universidad de Concepción.
- Jun 2004 - Jul 2004** "Riqualificazione fluviale ed ingegneria naturalistica (Fluvial restoration and bioengineering techniques)", Facoltà di Agraria, Università di Padova, in collaboration with Collegio dei Geometri della provincia di Padova, I edition 2004.
- Mar 2002 – Jul 2002** "Metodologia, strumenti ed impiego del GIS per la gestione del territorio (Methodology, instruments and employment of GIS for territory management)" Dipartimento Territorio e Sistemi Agro-Forestali, Facoltà di Agraria, Università di Padova, 2002.

## IT Knowledge

- Operating Systems: WINDOWS<sup>®</sup>;
- GIS: Arc View<sup>®</sup>, Arc Gis<sup>®</sup>, Map Info<sup>®</sup>; Arc Pad<sup>®</sup>
- GPS: Trimble<sup>®</sup>, Terra Sync<sup>®</sup>, PathFinderOffice<sup>®</sup>
- Hydrological Software: Multilab Pilot<sup>®</sup>, Dambreak, flo-2D

## Hobbies

- Outdoor activities: skiing, trekking, swimming;
- Other: travels, photographs, readings, flight simulations;

## Field Experience

- Jan 2010** Field campaign in collaboration with USGS at Chaitén (Chile). Post-eruption consequence on hydrography. Topographic-morphologic survey, discharge studies, Large Wood and sieve analysis.

<b>Sep 2009 - present</b>	Field measurements for the FONDECYT project n. 1090774: Bio Bio river (Chile), topographic-morphologic survey, flow studies, Large Wood and sieve analysis.
<b>Sep 2009 - present</b>	Field measurements for the FONDECYT project n. 1080249: 5 streams between Andes mountain range and Coastal Mountain Range (Chile), LW and solid transport.
<b>Sep 2009 - present</b>	Field measurements for the DIUC project n. 208.141.019-1: 3 streams in the Coastal Mountain Range (Chile), LW and channel morphology.
<b>Sep 2008 – Mar 2009</b>	Field measurements within the FONDECYT project n.1080249: 5 mountain streams located in Andes mountain range and Coastal Mountain Range (Chile).
<b>Apr 2005 – Jan 2006</b>	Field measurements for the exchange PhD program: 3 mountain streams located in South America (Chile and Argentina). LW, channel morphology, solid transport and riverflow.
<b>Apr 2004 – Oct 2005</b>	Field measurements for the PhD: 6 mountain streams located in the Eastern Italian Alps. WD, river morphology and solid transport.
<b>Jun - Sep 2001</b>	Field measurements for the Diploma thesis: 11 mountain streams located in the Eastern Italian Alps. Channel morphology, solid transport and localized erosion.

## Technical Experience with Instrumentations

Total station, DGPS, Laser distance meter  
 Handheld conductivity meters: WTW<sup>®</sup> - Cond 340i; Campbell Scientific<sup>®</sup> - CS547A-L  
 Valeport Open Channel Flow Meters, Helley-Smith bedload sampler  
 SonTek/YSI FlowTracker Handheld-ADV<sup>®</sup>  
 Clinometer, Increment borer, Tree caliber, Measuring tape, band, Relascope, Hypsometer

## Tutorials of Students

- PhD. Co-Advisor (two ongoing):
  - R. Retamal Diaz: Impactos del cambio climático y de uso del suelo sobre los servicios ecosistémicos hídricos: variables condicionantes de una gobernanza sustentable del agua en la Subcuenca del río Vergara, Chile. Universidad de Concepción (Chile)
  - V. Tolorza Tolorza: Cuantificación de la erosión integrada de cuencas fluviales en la zona centro-sur de Chile. Universidad de Chile.
- Undergraduate dissertation advisor (one completed, three ongoing):
  - V. Nizza Friz: Material leñoso en un estero de la Reserva Nacional Nonguén, Región del Bío Bío, Chile: Caracterización e importancia. Universidad de Concepción (Chile), Mar 2011;
  - A. Merino: Análisis granulométrica en un tramo a canales trenzados del río Bio Bio, asociada a facies morfológicas y características de flujo hídrico.
  - M. Campos: Dinámica de grandes elementos leñosos en un tramo a canales trenzados del río Bio Bio.
  - I. Alvear: Detritos leñosos en cuencas de bosque nativo de la cordillera de la costa, region del Bio Bio, Chile: influencia en la morfología del cauce. Universidad de Concepción (Chile)
- Undergraduate dissertation Co-Advisor (seven completed)
  - R.E.Fuentes: Modelamiento de escorrentia superficial en la cuenca del rio maipo, region metropolitana, utilizando snowmelt runoff model asistido por imagenes modis. Universidad de Concepción (Chile), Apr. 2009;
  - E.J.Cartes: Erosión hídrica en sectores de plantaciones de *Pinus Radiata* D. Don. Y bosque nativo, en suelos graníticos de la Región del Bio Bio, Chile. Universidad de Concepción (Chile), Apr. 2009;
  - O.A.Rodríguez: Efecto de las propiedades físicas de un suelo granítico en su conductividad hidráulica saturada. Universidad de Concepción (Chile), Mar. 2009;
  - L. Picco: Caratteristiche e movimento del legname in alveo in due bacini delle Ande Cilene. Università di Padova (Italy), Sept. 2006;

- G. Carlig: Il ruolo del legname in alveo nel torrente Tres Arroyos, Temuco, IX Regione, Cile. Università di Padova (Italy), Mar. 2006;
- M. Tonon: Analisi qualitativa e quantitativa del legname in alveo nel torrente Pettorina (BL). Univeristà di Padova (Italy), Dec. 2005;
- E. Rigon: Analisi sperimentale sul ruolo del legname in alveo in un torrente delle dolomiti bellunesi. Università di Padova (Italy), Sep. 2005.

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## Participation at International Research Groups

- 2011-2013: member of the EU Project "SERELAREFA: Seeds of a Latin Network on Fluvial and Aquatic ecosystem Restoration" coordinated by Andrea Nardini (CIRF, ITALIA)
- 2010-2011: Co-investigator within the international collaboration project CONICYT (Chile) – CNRS (France) "Methodological exchanges for characterizing geomorphological streams dynamics and its interaction with riparian vegetation in France and Chile" coordinated by Hervé PIEGAY (Research director at the National Centre for Scientific Research, CNRS, France) and Andrés Iroumé (Universidad Austral de Chile).
- 2004-2008: member of the University of Padova's team (scientific coordinator prof. Mario Aristide Lenzi) within the EU Project "Epic Force: Evidence-Based Policy for Integrated Control of Forested River Catchments in Extreme Rainfall and Snowmelt"; coordinated by Prof. J. Bathurst (University of Newcastle, UK).
- 2003-2005: member of the University of Padova's team (scientific coordinator prof. Mario Aristide Lenzi), within the project "U.S. NSF project for Western Europe - Flow hydraulics along step pool channels" coordinated by Prof. E.E. Wohl (Colorado State University - USA).

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## Participation at National Research Groups

- 2011-2013: Co-investigator within the DIUC project n. 211.142.030-1.0 "Establecimiento de especies nativas bajo diferentes condiciones de radiación solar en la Región del Bio Bio. Monitoreo de las condiciones microclimáticas y del estado fisiológico de las plantas"
- 2011-2013: Co-investigator within the FONDECYT project n.1110609 "Stream Channel Morphology, Sediment and Large Wood Transport Evolution Patterns Following Natural Disturbance Processes, with Special Emphasis in Post Eruption Chaiten Volcanic River Systems".
- 2010-2012: Co-investigator within the DIUC project n. 210.141.020-1SP "Modelación de Escorrentía Superficial del Río Simpson y Caracterización de la Biofísica Foliar de sus Bosques, Asistido por Datos Satelitales".
- 2009-2011: Principal Investigator within the FONDECYT project n.1090774 "Channel dynamics of gravel bed river in Chile for a sustainable rivermanagement".
- 2008-2010: Co-investigator within the FONDECYT project n.1080249 "Residuos leñosos (Large Woody Debris) en cuencas de montaña: volumen y efecto en la morfología de los cauces".
- 2008-2010: Principal Investigator within the DIUC project n. 208.141.019-1: "Efecto del manejo forestal sobre la presencia de los residuos leñosos (Large Woody Debris) en cauces de la cordillera de la costa (Chile)".
- 2003-2004: member of the University of Padova's team (scientific coordinator prof. Mario Aristide Lenzi) within the MIUR project "Il fenomeno dell'erosione localizzata causato dai getti liberi nei bacini alpini".

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## Talks, Seminars and Colloquia

- "Morphologic research methodologies in large rivers: the case of the Biobio river". Workshop: "River restoration after hydropower developments: lessons to be learned". Universidad Austral de Chile. 17th March, 2011.
- "Mitigación de Erosión en laderas y cauces – Experiencias Europeas en Sistemas Forestales". XXV SILVOTECNA 2010, CORMA Bio Bio, 17th November, 2010.

- “Morphodynamic survey of a braided gravel bed system: the Bio Bio river, Chile”. Scuola di dottorato in Territorio, Ambiente, Risorse e Salute, Università di Padova, Italia, December 2009.
  - “Monitoring Woody Debris dynamics in Chilean mountain streams”. Scuola di dottorato in Territorio, Ambiente, Risorse e Salute, Università di Padova, Italia, December 2009.
  - “Volumen y características de los detritos leñosos de gran tamaño (LWD) en ríos de montaña en los Alpes Dolomitas (Italia) y los Andes Sudamericanos (Chile-Argentina)”. Facultad de Ciencias Forestales, Universidad Austral de Chile, Valdivia, Chile, November 2007.
  - “Desarrollo de una metodología para evaluar y manejar el impacto de Large Woody Debris (LWD)”. Subsecretaría de Recursos Naturales, Ushuaia, Argentina, March 2006.
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## Publications

### Papers on International Refereed Journals (ISI), with Impact Factor

1. Ulloa H, Iroumé A, Lenzi MA, **Andreoli A**, Alvarez C. 2011. Material leñoso de gran tamaño en dos cuencas de la Cordillera de la Costa de Chile con diferente historia de uso del suelo. *Bosque*, 32 (3), 235-244;
2. Iroumé A, Ulloa H, Lenzi MA, **Andreoli A**, Gallo C. 2011. Movilidad y reclutamiento de material leñoso de gran tamaño en dos cauces de la Cordillera de la Costa de Chile. *Bosque*, 32 (3), 245-253;
3. Iroumé A, **Andreoli A**, Comiti F, Ulloa H, Huber A. 2010. Large wood abundance, distribution and mobilization in a third order Coastal mountain range river system, southern Chile. *Forest Ecol. Manage.*, 260 (4), 480-490;
4. Mao L, **Andreoli A**, Comiti F, Lenzi MA. 2008. Geomorphic effects of large wood jams on a sub-antarctic mountain stream. *River Research and Applications*, 24 (3), 249-266;
5. Comiti F, **Andreoli A**, Mao L, Lenzi MA. 2008. Wood storage in three mountain streams of the Southern Andes and its hydro-morphological effects. *Earth Surf. Process. Landforms*, 33 (2), 244-262;
6. **Andreoli A**, Comiti F, Lenzi MA. 2007. Characteristics, distribution and geomorphic role of large woody debris in a mountain stream of the Chilean Andes. *Earth Surf. Process. Landforms*, 32 (11), 1675-1692;
7. Comiti F, **Andreoli A**, Lenzi MA, Mao L. 2006. Spatial density and characteristics of woody debris in five mountain rivers of the Dolomites (Italian Alps). *Geomorphology*, 78 (1-2), 44-63;
8. Comiti F, **Andreoli A**, Lenzi MA. 2005. Morphological effects of local scouring in step-pool streams, *Earth Surf. Process. Landforms*, 30 (12), 1567-1581.

### Proceedings of International Conferences

9. **Andreoli A**, Gonzalez D, Pauchard, A. Uso combinado de fotogrametría aérea y DGPS para evaluar las variaciones morfológicas de canales, barras e islas en un río con lecho de grava. Actas del XXIV Congreso Latinoamericano de Hidráulica, Nov 21-25, 2010, Punta del Este, Uruguay;
10. Iroumé A, Ulloa H, Lenzi MA, **Andreoli A**. Abundancia, distribución longitudinal y movilidad de Large Woods en cuencas de la cordillera de la costa, Chile. Actas del XXIV Congreso Latinoamericano de Hidráulica, Nov 21-25, 2010, Punta del Este, Uruguay;
11. Iroumé A, Millanao C, **Andreoli A**. Uso de fotografías digitales para determinar la granulometría del lecho de cauces. Actas del XXIV Congreso Latinoamericano de Hidráulica, Nov 21-25, 2010, Punta del Este, Uruguay;

12. Nizza V, Alvear I, **Andreoli A**, Material leñoso en un estero de la Reserva Nacional Nonguén, Región del Bio Bío, Chile: Caracterización e importancia. V Congreso Chileno de Ciencias Forestales; Oct 27-29, 2010, Temuco, Chile;
13. **Andreoli A**, Mao L, Merino A. Monitoring of sediment dynamics at multiple spatial and temporal scales in a braided reach of Bio Bio river, VIII Region, Chile. 7th Gravel-Bed Rivers Conference; Poster Presentation abstract; September 6-10, 2010; Tadoussac, Québec Canada, 2010;
14. **Andreoli A**, Cano C, Investigations at several spatial scales in a large fluvial system of Chile presenting morphological and hydrological changing processes due to huge land use change in the last 30 years. *Eos Trans. AGU*, 91(26), Jt. Assem. Suppl., Abstract H33C-07; Aug 8-12, 2010, Foz do Iguazu, Brasil. (Poster session);
15. Iroumé A, **Andreoli A**, Lenzi MA, Ulloa H., In-channel large wood in two natural forested mountain catchments in Southern Chile: abundance, mobility, flow resistance and hydro-morphological effect analysis. *Eos Trans. AGU*, 91(26), Jt. Assem. Suppl., Abstract H32A-02; Aug 8-12, 2010, Foz do Iguazu, Brasil. (Oral presentation);
16. Iroumé A, **Andreoli A**, Ulloa H., Material leñoso en dos ríos de montaña, Chile. XXX Congreso Nacional y XV Congreso Internacional de Geografía; Oct 13-17, 2009, Talca, Chile;
17. Iroumé A, **Andreoli A**. Large Woody Debris (LWD) in Mountain Catchments, Chile. 7th International Symposium on Ecohydraulics, Abstract ISE-P09-02; Jan 12-16, 2009, Concepción, Chile. (Poster session);
18. **Andreoli A**, Comiti F, Mao L, Lenzi MA, Urciolo A, Iroumé A, Opazo L. Geomorphic effects of wood in southern andes streams: evidences from three mountain basins. *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., Abstract H31B-02; May 22-25, 2007, Acapulco, México. (Poster session);
19. Mao L, **Andreoli A**, Comiti F, Lenzi MA, Iturraspe R, Burns S, Novillo MG. Hydro-geomorphologic effects of Large Woody Jams on a Third-Order stream (Tierra del Fuego, Argentina). *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., Abstract H31B-01; May 22-25, 2007, Acapulco, México. (Poster session);
20. **Andreoli A**, Comiti F, Lenzi MA, Picco L, Opazo L. Detritos leñosos en dos torrentes andinos, Chile: comparación entre una cuenca protegida y otra alterada. 4to Congreso Forestal de Cuba - IV Simposio Internacional sobre Técnicas Agroforestales - III Encuentro Internacional de Jóvenes Investigadores Defors 2007 abril 17-20, 2007 - palacio de convenciones de La Habana, Cuba;
21. **Andreoli A**, Comiti F, Mao L, Picco L, Rigon E, Lenzi MA. Quantita' ed effetti morfologici dei detriti legnosi in tre bacini andini del sud america. Extended abstract. 1a sez. AIIA 2007: Milano, 27-28 marzo 2007;
22. **Andreoli A**, Comiti F, Lenzi MA. Abundance and morphological effects of Large Woody Debris in forested basin of southern andes. *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract H43D-0515; December 10-15, 2006, S. Francisco, USA. (Poster session)
23. **Andreoli A**, Opazo L. Impacto morfológico de Large Woody Debris (LWD) en una cuenca protegida de la Cordillera de los Andes, Novena Región, Chile. II Congreso Latinoamericano IUFRO, Oct 23-27, 2006, La Serena, Chile;
24. Lenzi MA, Slongo M, Comiti F, **Andreoli A**. Woody debris characteristics in three mountain rivers of the Italian Alps. 6th Gravel-Bed Rivers Conference; Poster Presentation abstract; September 5-9, 2005; St. Jakob I.D., Austria, 2005;
25. Comiti F, **Andreoli A**, Lenzi MA. Dimensions of scour holes and effectiveness of grade-control structures in two cobble-gravel bed rivers, Proc. 2nd Intl. Conf. on Scour and Erosion, IAHR, November 14-17, 2004, Singapore;
26. Comiti F, **Andreoli A**, Lenzi MA. Influence of local scouring on natural step pool geometry. In: Greco M., Carravetto A., Della Morte R. (Eds.); *River Flow 2004*, vol. 1, 173-179; Balkema Netherlands, ISBN 90 5809 6874;
27. Mao L, **Andreoli A**, Comiti F, Lenzi MA. Morphological adjustments in steep channels with boulder check-dams. Proc 5th International Symposium on Ecohydraulics. *Acquatic Habitats: Analysis and*

Restoration. Ed. Garcia de Jalon D. & Vizcaino P. Madrid, Spain, September 12-17, 2004, II, 1343-1347, 2004;

28. Lenzi MA, Comiti F, **Andreoli A**. Local scouring in steep channels with grade-control structures: comparison with natural step pool morphological features. Eos. Trans. AGU, 83 (47), Fall Meet. Suppl., Abstract H11C-0851, 2002.

## Papers published on National-Regional journals

29. **Andreoli A**, Comiti F, Mao L, Picco L, Iroumè A, Lenzi MA. 2008. Evaluación de los volúmenes y de los efectos hidro-morfológicos del material leñoso en dos torrentes andinos (Chile). *Ingeniería del agua*, 15 (3), 189-204.
30. Mao L, Burns S, Comiti F, **Andreoli A**, Urciolo A, Gaviño-Novillo M, Iturraspe R, Lenzi MA. 2008. Acumulaciones de detritos leñosos en un cauce de montaña de Tierra del Fuego: análisis de la movilidad y de los efectos hidro-morfológicos. *Bosque (Valdivia)*, 29 (3), 197-211.
31. Rigon E, Comiti F, **Andreoli A**, Lenzi MA. 2008. Il materiale legnoso in alveo nei torrenti alpini: troppo o troppo poco? Evidenze dal bacino dell'Alto Cordevole (Belluno), *Quaderni di Idronomia Montana*, 28 (2), pages.
32. **Andreoli A**, Carlig G, Comiti F, Iroumé A. 2007 Residuos leñosos de gran tamaño en un torrente de la Cordillera de los Andes, Chile: su funcionalidad e importancia. *Bosque (Valdivia)*, 28 (2), 83-96;
33. Rigon E., **Andreoli A**, Comiti F, Lenzi MA. 2006. Quantità caratteristiche ed origine del detrito legnoso in un torrente montano (T. Codalunga, Veneto). *Quaderni di Idronomia Montana*, 25, 227-243;
34. **Andreoli A**, Comiti F, Lenzi MA. 2005. Analogie tra i torrenti a morfologia *step pool* e gli alvei sistemati con opere trasversali. *Rivista di Ingegneria Agraria*, 3, 1-13;
35. Lenzi MA, **Andreoli A**, Comiti F. 2005. I fenomeni di erosione localizzata nella dinamica dei torrenti con morfologia a Step-pool; *Quaderni di Idronomia Montana*, 22, 279-302.

## Non-Refereed Publications

36. Pallister JS, Major JJ, Pierson TC, Hoblitt RP, Lowenstern JB, Eichelberger JC, Lara L, Moreno H, Muñoz J, Castro JM, Iroumé A, **Andreoli A**, Jones J, Swanson F, Crisafulli C. 2010. Interdisciplinary studies of eruption at Chaitén volcano, Chile, Eos Trans. AGU, 91(42), 381–382.

## Books Chapters

37. Mao L, Comiti F, **Andreoli A**, Picco L, Lenzi MA, Urciolo A, Iturraspe R, Iroumé A. 2008. Role and management of in-channel wood in relation to flood events in Southern Andes basins. In de Wrachien D, Brebbia CA, Lenzi MA (eds), *Monitoring, Simulation, Prevention and Remediation of Dense and Debris Flow II*, WIT press, Volume 60, 207-216;
38. Mao L, Comiti F, **Andreoli A**, Lenzi MA, Scussel GR. 2005. Bankfull and bed load effective discharges in a steep boulder-bed channel. In Walling, D.E., Horowitz, A.J. (eds), *Sediment budget I*, IAHS Publ. N°291, 189-195;

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## Peer Reviewing



**Scientific journals**

Water Resources Research  
Earth Surface Processes and Landforms  
Hydrology and Earth System Sciences  
Bosque

**Grants**

CONICYT (Chile) – Grant referee (2008 - present)  
Universidad Austral de Chile (Valdivia) – Research project referee (2009 - present)

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## Affiliations

Member of American Geophysical Union (2006 – present)