

Professor Bruno Fedrizzi
Associate Dean (Academic)
Faculty of Science
Professor of Analytical & Wine Chemistry
School of Chemical Sciences
The University of Auckland

Curriculum Vitae

BRIEF BIO

I am a Senior Academic in the Faculty of Science and at The University of Auckland. I am the Principal Investigator in several multi-\$M, multi-year and multi-Institution research programmes working alongside the NZ wine industry (one of the fastest growing sectors in the country). I have published more 150 research outputs including research articles, book chapters, industry reports, and conference communications. I have played a key role in the formulation of the business recovery plans during the COVID19 pandemic. I have strong experience with academic policy, procedures and regulations. I led the design of new curricula and programmes implementing innovative teaching approaches both in the classroom and online. I have held/am holding Senior roles such as Associate Dean (Academic), Assistant Dean (Academic), and Deputy Head of School (Academic) with responsibilities on the broader Education portfolio at both School and Faculty level.

PERSONAL DETAILS

Name	Bruno Fedrizzi
Address	23 Symonds Street 1142, Auckland (New Zealand)
Telephone	+64 (0)9 923 8473
E-mail	b.fedrizzi@auckland.ac.nz

WORK EXPERIENCE

2023 – now	Professor of Analytical and Wine Chemistry <i>School of Chemical Sciences, The University of Auckland (New Zealand)</i> <ul style="list-style-type: none">Principal Investigator in grants totaling more than \$30M Associate Dean (Academic) <i>Faculty of Science, The University of Auckland (New Zealand)</i> <ul style="list-style-type: none">Responsible for the Faculty's portfolio of academic programmes Associate Investigator <i>Riddet Institute – Centre for Research Excellence in Food Science</i>
2019 – 2022	Associate Professor <i>School of Chemical Sciences, The University of Auckland (New Zealand)</i> Associate Dean (Academic) – 7/2021- 4/2022 <i>Faculty of Science, The University of Auckland (New Zealand)</i>
2020	Offer of the position of Professor of Agriculture and Wine Sciences and Head of School , Agriculture and Wine Sciences at Charles Sturt University (Australia): declined
2017 – 2018	Senior Lecturer above the bar <i>School of Chemical Sciences, The University of Auckland (New Zealand)</i>
2014 – 2016	Senior Lecturer <i>School of Chemical Sciences, The University of Auckland (New Zealand)</i>
2012 – 2013	Lecturer <i>School of Chemical Sciences, The University of Auckland (New Zealand)</i>

- 2011 – 2012** **Research Scientist**
Mach Foundation (FEM) - Agricultural Institute of San Michele (Italy)
- Conducting research in metabolomics, analytical chemistry, and biochemistry.
- 2010** **Post-Doctoral Fellow**
Department of Chemical Sciences, Università degli Studi di Padova (Italy)
- Project leader for a joint project between Università degli Studi di Padova and Unione Italiana Vini concerning the start-up of a new analytical platform.
 - Managing and leading the analytical platform (4 Research Technicians).

LEADERSHIP EXPERIENCE

- 1/2023 – now** **Co-Chair Health Project Workgroup**
Faculty of Science and Faculty of Medical and Health Sciences, The University of Auckland (New Zealand)
- 11/2022 – now** **Associate Dean (Academic)**
7/2021 – 4/2022 *Faculty of Science, The University of Auckland (New Zealand)*
- 6/2022 – 11/2022** **Assistant Dean (Academic)**
Faculty of Science, The University of Auckland (New Zealand)
- 1/2020 – 1/2023** **Deputy Head of School (Academic)**
School of Chemical Sciences, The University of Auckland (New Zealand)
- 10/2017 – 9/2022** **Senior Leadership Team Member and Auckland University rep**
MBIE-NZ Winegrowers \$10M Pinot noir Research Programme
- 2/2020 – 4/2022** **Food, Food Production and Nutrition Theme Leader**
Faculty of Science, The University of Auckland (New Zealand)
- 2/2018 – 1/2020** **Chair of the Postgraduate Committee**
School of Chemical Sciences, The University of Auckland (New Zealand)

AWARDS, FELLOWSHIPS and LEADERSHIP TRAINING

- 2023** **New Head and Associate Deans Leadership Programme**
The University of Auckland (New Zealand)
- 2020** **Young Scientist Award**
American Chemical Society – Agricultural and Food Chemistry Division (USA)
- 2019** **Visiting Expert Fellowship**
Autonomous Province of Trento – Provincia Autonoma di Trento (Italy)
- 2018** **Academic Leaders Programme,**
The University of Auckland (New Zealand)
- 2010** **International “G. Morsiani” Award for Outstanding Research Wine Science**
Fondazione G. Morsiani (Italy)

OTHER SENIOR ROLES

Editorial Boards

- **Journal of the Science of Food and Agriculture** (from 2018; Associate Editor and Member of the Editorial Board; Wiley, Impact Factor 4.1);
- **Food Chemistry** (from 2016; Member of the Editorial Board; Elsevier, Impact Factor 9.2);
- **Metabolites** (2018; Guest Editor; MDPI, Impact Factor 5.6);
- **Beverages** (from 2020; Member of the Editorial Board; MDPI)

Scientific Committees

- **In Vino Analytica Scientia** (from 2017; International Scientific Committee);
- **ANZMET - The Australian and New Zealand Metabolomics Conference** (2018; Organising and Scientific Committee);
- **Macrowine** (2019; International Scientific Committee)

Senior Leadership, Advising, Extension and Boards

- Senior Leadership Team (\$2017-2022; 10M MBIE Pinot Noir Programme)
- Scientific Expert (2023; BRI Wine Science & Extension Strategy)

GRANTS (PI: Principal Investigator; AI: Associate Investigator)

- 2022 **Royal Society | Te Apārangi (NZ)**
▪ *Marsden Fast Start: Understanding the mechanisms of microalgal self-aggregation* NZ\$300k – AI
- 2021 **NZ Winegrowers and Bragato Research Institute (NZ)**
▪ *Research project on wine sulfur chemistry* NZ\$280k – PI
- 2020 **NZ Winegrowers and Bragato Research Institute (NZ)**
▪ *Research project on grape and wine polysaccharides* NZ\$290k – PI
- 2019 **NZ Winegrowers (NZ)**
▪ *Research project on grape juice manipulations* NZ\$50k – PI
▪ *Research project on fermentation and oxygen management* NZ\$58k – PI
Ministry for Primary Industry and NZ Winegrowers (NZ)
▪ *Primary Growth Partnership on low-ethanol wines* NZ\$143k – PI
- 2018 **Ministry for Primary Industry and NZ Winegrowers (NZ)**
▪ *Primary Growth Partnership on low-ethanol wines* NZ\$300k – PI
- 2017 **Ministry for Business, Innovation and Employment (NZ)**
▪ *MBIE Research Programme on Pinot noir* NZ\$10M – PI
NZ Winegrowers (NZ)
▪ *Research project on grape metabolomics* NZ\$400k – PI
The University of Auckland (NZ)
▪ *Teaching and Learning Enhancement Grant* NZ\$2,000 – PI
- 2016 **Ministry for Business, Innovation and Employment and Plant and Food Research Institute (NZ)**
▪ *PhD Scholarship (2017 – 2020)* NZ\$300,000 – PI
▪ *Post-doctoral fellowship (2016-2017)* NZ\$180,000 – PI
Marlborough Research Centre (NZ)
▪ *PhD Co-funding* NZ\$39,000 – PI
Ministry for Primary Industry and NZ Winegrowers (NZ)
▪ *Primary Growth Partnership on low-ethanol wines* NZ\$300k – PI
- 2015 **Ministry for Business, Innovation and Employment (NZ)**
▪ *MBIE Partnership programme* NZ\$7M – AI
The University of Auckland (NZ)
▪ *Faculty Research and Development Fund* NZ\$160,000 – PI
- 2014 **Ministry for Primary Industry (NZ)**
▪ *Primary Growth Partnership on low-ethanol wines* NZ\$1M – AI
Bioresource Process Alliance (NZ)
▪ *Research project aimed to adding value to grape waste* NZ\$150,000 – PI
- 2013 **The University of Auckland (NZ)**
▪ *New Staff Faculty Research and Development Fund* NZ\$25,000 – PI
New Zealand Winegrowers (NZ)
▪ *PhD Scholarship* NZ\$120,000 – PI
Callaghan Innovation (NZ)
▪ *MSc Scholarship (2)* NZ\$52,000 – PI
▪ *PhD Scholarship* NZ\$90,000 – PI
Fonterra (NZ)
▪ *PhD Scholarship* NZ\$120,000 – AI
E. Mach Foundation (Italy)
▪ *PhD Scholarship co-fund* €30,000 – PI
- 2012 **Ministry for Business, Innovation and Employment (NZ)**
▪ *Sauvignon Blanc Programme* NZ\$800,000 – PI
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EDUCATION

- 2010 **PhD in Chemistry, Università degli Studi di Padova (Italy)**
Advisors: Prof Franco Magno; Co-advisor: Dr Giuseppe Versini
- 2006 **MSc in Chemistry, Università degli Studi di Padova (Italy)**
110/110 *summa cum Laude*
- 2004 **BSc in Chemistry, Università degli Studi di Padova (Italy)**
110/110 *summa cum Laude*
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TEACHING EXPERIENCE

- 2012 – now** **School of Chemical Sciences, The University of Auckland (New Zealand)**
- *Lecturing courses and labs at undergraduate and postgraduate level in Analytical Chemistry, Food, Wine, and Sensory Science, and Green Chemistry:*
 - *CHEM240 Measurement and Analysis in Chemistry and Health Sciences (BSc):* lectures on thermodynamic equilibria, molecular spectroscopy.
 - *CHEM340 Advanced Analytical Chemistry (BSc):* lectures on mass spectrometry, advanced atomic spectroscopy and chromatography. Course coordinator
 - *CHEM360 Contemporary Green Chemistry (BSc):* lectures on renewable feedstock.
 - *FOODSCI301 Food Quality Attributes (BSc):* lectures on chemistry of taste/smell.
 - *FOODSCI303 Sensory Science (BSc):* lectures on statistical tools in sensory analysis, basic sensory tests, setting-up sensory experiments.
 - *CHEM740 Current Topics in Analytical Chemistry (Postgraduate):* lectures on structure elucidation via MS, metabolomics, stable isotopic measurements in food traceability. Course coordinator
 - *WINESCI703 The Science Behind Winemaking (Postgraduate):* Lectures on wine chemistry and aroma chemistry.
 - *WINESCI704 Sensory Evaluation and Statistical Methods (Postgraduate):* Lectures on statistical tool in sensory, wine sensory descriptors, recruiting and training of sensory panel. Course coordinator
- 2011** **E. Mach Foundation - Agricultural Institute of San Michele (IASMA, Italy)**
- *PhD Summer School:* Lectures on metabolomics
- 2010** **Department of Agriculture, University of Milan (Italy)**
- *MSc(Sparkling wine production):* Lectures on wine chemistry and wine technology.
- 2008 – 2009** **Department of Chemical Sciences, University of Padova (Italy)**
- *Teaching assistant in Analytical Chemistry.*
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POST GRADUATE SUPERVISION

Currently supervising (*Main supervisor)

PhD Students

- [6] Pan Gu* (2023), PhD Food Science (The University of Auckland)
- [5] Sukhpreet Gills* (2022), PhD Chemistry (The University of Auckland)
- [4] Hayden Jones-Moore* (2020), PhD Chemistry (The University of Auckland)
- [3] Krishna, Paniker* (2019), PhD Chemistry (The University of Auckland)
- [2] Dinesha Hansamali Perera* (2019), PhD Chemistry (The University of Auckland)
- [1] Hou, Ruoyu* (2018), PhD in Chemistry (The University of Auckland)

MSc/BSc(Hon) Students

- [2] Posa, Maja* (2023), MSc Wine Science (The University of Auckland)
- [1] Nilson, Olivia* (2023), Master of Chemistry (The University of Auckland)

Completed

PhD Students

- [22] Lowrey, Alexandra* (2018-2023), PhD Chemistry (The University of Auckland)
- [21] Mosaferi, Shabnam (2018-2023), PhD Chemistry (The University of Auckland)
- [20] Chen, Xiao (2018-2022), PhD Food Science (The University of Auckland)
- [19] Wang, Jin* (2018-2022), PhD Chemistry (The University of Auckland)
- [18] Suda, Jessica* (2014-2022), PhD Food Science (The University of Auckland)
- [17] Twidle, Andrew (2018-2021), PhD Chemistry (The University of Auckland)
- [16] Tan, Shi Min* (2015-2021), PhD in Chemistry (The University of Auckland)
- [15] Cosic, Jelena (2016-2021), PhD in Statistics (The University of Auckland)
- [14] Sabaragamuwa, Rasangi (2016-2020), PhD in Food Science (The University of Auckland)
- [13] Lyu, Hua* (2017-2020), PhD in Chemistry (The University of Auckland)
- [12] Lo, Stephen (2016-2020), PhD in Chemistry (The University of Auckland)
- [11] Jelley, Rebecca* (2014-2019), PhD in Chemistry (The University of Auckland)
- [10] Duhamel, Nina* (2013-2018), PhD Chemistry (The University of Auckland)
- [9] Nair, Mansa (2014-2018), PhD in Forensic Science (The University of Auckland)

- [8] Mahmoodani, Fatemeh (2013-2018), PhD Food Science (The University of Auckland)
- [7] Holtkamp, Hannah (2014-2018), PhD in Chemistry (The University of Auckland)
- [6] Huang, Max (2014-2017), PhD in Oenology (The University of Adelaide)
- [5] Parish, Katie* (2013-2017), PhD Chemistry (The University of Auckland)
- [4] Dias Araujo, Leandro (2013-2017), PhD Chemistry (The University of Auckland)
- [3] Kinzurik, Matias* (2014-2017), PhD Chemistry (The University of Auckland)
- [2] Olejar, Kenneth (2012-2016), PhD Chemistry (The University of Auckland)
- [1] Piano, Federico (2010-2013), PhD in Food Science (Università degli Studi di Milano)

MSc/BSc(Hon) Students

- [23] Hucker, Ellen* (2022), BSc(Hons) Chemistry (The University of Auckland)
- [22] Nicholson, Sian* (2021), BSc(Hons) Chemistry (The University of Auckland)
- [21] Guan, Angela* (2020), BSc(Hons) Food Science (The University of Auckland)
- [20] He, Carmen* (2020), BSc(Hons) Food Science (The University of Auckland)
- [19] Miller, Gillean (2020), BSc(Hons) Chemistry (The University of Auckland)
- [18] Chan, Cherry* (2020), MSc Wine Science (The University of Auckland)
- [17] Johannisson-Wallman, Mikael* (2019), MSc Chemistry (The University of Auckland)
- [16] Kennedy, Guy* (2018), MSc Wine Science (The University of Auckland)
- [15] Lowrey, Alexandra* (2018), MSc Wine Science (The University of Auckland)
- [14] Twidle, Andrew (2017), MSc Chemistry (The University of Auckland)
- [13] Boroun, Habib* (2017), BSc(Hons) Chemistry (The University of Auckland)
- [12] Qinyue, Wan* (2017), MSc Food Science (The University of Auckland)
- [11] Hou, Ruoyu* (2017), MSc Food Science (The University of Auckland)
- [10] David Selesko (2016), MSc Food Science (Universität Bonn)
- [9] Wong, Irene* (2016), MSc Wine Science (The University of Auckland)
- [8] Zhai, Shuhuan (2015), BSc(Hons) Food Science (The University of Auckland)
- [7] Inderjeet, Kaur* (2015), MSc Wine Science (The University of Auckland)
- [6] Kerner, William* (2014), MSc Wine Science (The University of Auckland)
- [5] Mavumkal, Antony* (2014), MSc Wine Science (The University of Auckland)
- [4] Gardner, Rory (2014), MSc Food Science (The University of Auckland)
- [3] Adam, Joel (2014), MSc Food Science (The University of Auckland)
- [2] Parish, Katie (2013), MSc Wine Science (The University of Auckland)
- [1] Giacomelli, Daniela (2009), MSc Chemistry and Pharmaceutical Technology (Università degli Studi di Padova)

SCIENTIFIC COLLABORATIONS

- **New Zealand:** University of Auckland (Prof Barker, Dr Deed, Dr Knight); Plant and Food Research Institute (Dr Martin, Dr Pinu, Dr Sherman), Lincoln University (Prof Kolisiri, Dr Parker).
- **Australia:** The University of Adelaide (Dr Pagay); Charles Sturt University (Prof Clark).
- **Italy:** Università di Verona (Dr Zapparoli, Prof Ugliano); Università di Torino (Prof Rolle); Università di Milano (Assoc. Prof Tirelli); Mach Foundation (Dr Larcher); Università di Padova (Assoc. Prof Marangon).
- **France:** Nyseos (Dr Dagan); Oenobrand (Dr Schneider).
- **UK:** University of Lincoln (Prof Goddard)
- **USA:** University of California, Davis (Prof Waterhouse).
- **Brazil:** São Paulo State University (Dr Soleo de Funari)

OTHER WORKING EXPERIENCES

2017, 2018	Visiting Scientist at The University of Adelaide (Adelaide, Australia)
2015	Visiting Professor at the University of Trento (Trento, Italy)
2012-2022	Visiting Scientist at E. Mach Foundation (San Michele, Italy)
2008, 2009	Visiting Scientist at the Aust. Wine Res. Inst. – AWRI (Adelaide, Australia)
2007, 2010, 2015	Visiting Scientist at the Nation. Inst. Agr. Res. – INRA (Montpellier, France)

SCIENTIFIC PUBLICATIONS

Peer-reviewed articles

- [102] Appuhamilage, D. K., Jelley, R.E., Sherman, E., Pilkington, L.I., Pinu, F., **Fedrizzi, B.*** (2025) *Metabolites*
- [101] Muir, E., Grossman, A.R., Chisti, Y., **Fedrizzi, B.**, Guieysse, B., Plouviez M. (2024) *Algal Res.*, **83**, 103685.
- [100] Pilkington, L.I., Kerner, W., Bertoldi, D., Larcher, R., Lee, S.A., Goddard, M.R., Albanese, D., Franceschi, P., **Fedrizzi, B.*** (2024) *Talanta*, **274**, 125954.
- [99] Muhl, J.R., Pilkington, L.I., **Fedrizzi, B.**, Deed, R.C. (2024) *Food Chem.*, **449**, 139193.
- [98] Muhl, J.R., Pilkington, L.I., **Fedrizzi, B.**, Deed, R.C. (2024) *J. Agric. Food Chem.*, **72**, 1902.
- [97] Hou, R., Jelley, R.E., van Leeuwen, K.A., Pinu, F., **Fedrizzi, B.**, Deed, R.C. (2023) *FEMS Yeast Res.*, **23**, foad031.
- [96] Rodrigues Da Silva, M., Jelley, R.E., Lajarim Carneiro, **Fedrizzi, B.**, Weber, C.C., Soleo Funari, C. (2023) *Innov. Food Sci. Emerg. Technol.*, **86**, 103365.
- [95] Muhl, J.R., Derycke, M., Pilkington, L.I., **Fedrizzi, B.**, Deed, R.C. (2023) *J. Chromatogr. A*, **1707**, 464273.
- [94] Hawkins, D., Ryder, J., Lee, S., Parish-Virtue, K., **Fedrizzi, B.**, Goddard, M.R., Knight, S. (2023) *FEMS Yeast Res.*, foad005.
- [93] Dekker, S., Nardin, T., **Fedrizzi, B.**, van Leeuwen, K.A., Larcher, R. (2023) *J. Chromatogr. A*, **1690**, 463805.
- [92] Huang, C.W., Deed, R.C., Parish-Virtue, K., Pilkington, L.I., Walker, M., Jiranek, V., **Fedrizzi, B.*** (2023) *Food Microbiol.*, **109**, 104124.
- [91] Tan, S.M., Rees, S., Jelley, R. E., Wang, J., **Fedrizzi, B.**, Barker, D. (2022) *Molecules*, **27**, 7294.
- [90] Twidle, A.M., Barker, D., Pilkington, L.I., **Fedrizzi, B.**, Suckling, D.M. (2022) *Phytochemistry*, **202**, 113325.
- [89] Muhl, J.R., Pilkington, L.I., **Fedrizzi, B.**, Deed, R.C. (2022) *Foods*, **11**, 2050.
- [88] Lo, S., Pilkington, L.I., Barker, B., **Fedrizzi, B.*** (2022) *Foods*, **11**, 1999.
- [87] Dekker, S., **Fedrizzi, B.**, van Leeuwen, K.A., Roman, T., Nardin, T., Larcher, R. (2022) *J. Food Compos. Anal.*, **11**, 104632.
- [86] Jelley, R.E., Jones-Moore, H., Guan, A., Ren, C. Z.-J., Chen, J. L.-Y., Tonidandel, L., Larcher, R., **Fedrizzi, B.*** (2022) *LWT - Food Sci. Tech.*, **164**, 113563.
- [85] Mosafari, S., Jelley, R.E., **Fedrizzi, B.***, Barker, D. (2022) *Results in Chemistry*, **4**, 100264.
- [84] Dekker, S., **Fedrizzi, B.**, van Leeuwen, K.A., Nardin, T., Dell'Anna, C., Larcher, R. (2022) *Food Chem.*, **371**, 131341.
- [83] Sabaragamuwa, R., Perera, C.O., **Fedrizzi, B.** (2022) *Food Chem.*, **371**, 131187.
- [82] Jelley, R.E., Lee, A., Zujovic, Z., Villas-Boas, S.G., Barker, D., **Fedrizzi, B.*** (2022) *Food Chem.* **370**, 131025.
- [81] Rodrigues Da Silva, M., Sanchez Bragagnolo, F., Lajarim Carneiro, R., de Oliveira Carvalho Pereira, I., Aquino Ribeiro, J.A., Martins, C., Jelley, R.E., **Fedrizzi, B.**, Soleo Funari, C. (2022) *Food. Chem.*, **369**, 130753.
- [80] Jones-Moore, H., Jelley, R.E., Marangon, M., **Fedrizzi, B.*** (2022) *Food Hydrocoll.*, **123**, 107150.
- [79] Tonidandel, L., Larcher, R., Barbero, A., Jelley, R.E., **Fedrizzi, B.** (2021) *J. Chromatogr. A*, **1658**, 462603.
- [78] Qiao, Y., Hawkins, D., Parish-Virtue, K., **Fedrizzi, B.**, Knight, S.J., Deed, R.C. (2021) *Beverages*, **7(3)**, 168.
- [77] Chen, X., Kilmartin, P.A, **Fedrizzi, B.**, Quek, S.Y. (2021) *J. Agric. Food Chem.*, **69**, 9362.
- [76] Lo, S., Leung, E., **Fedrizzi, B.***, Barker, B. (2021) *Sci Rep.*, **11**, 12595.
- [75] Parish-Virtue, K., Herbst-Johnstone, M., Bouda, F., **Fedrizzi, B.**, Deed, R.C., Kilmartin, P.A. (2021) *Beverages*, **7**, 29.
- [74] Chen, X., **Fedrizzi, B.**, Kilmartin, P.A, Quek, S.Y. (2021) *J. Agric. Food Chem.*, **69**, 4518.
- [73] Parish-Virtue, K., Herbst-Johnstone, M., Bouda, F., Deed, R.C., Grose, C., Martin, D., **Fedrizzi, B.*** (2021) *Aust. J. Grape Wine Res.*, **27**, 453.
- [72] Lo, S., Leung, E., **Fedrizzi, B.***, Barker, B. (2021) *Molecules*, **26**, 1608.

- [71] Jones-Moore, H., Jelley, R.E., Marangon, M., **Fedrizzi, B.*** (2021) *Trends Food Sci Tech.*, **111**, 731.
- [70] Chen, X., **Fedrizzi, B.**, Kilmartin, P.A., Quek, S.Y. (2021) *Food Chem.*, **339**, 128046.
- [69] Parish-Virtue, K., Pilkington, L.I., Martin, D., Wood, J., **Fedrizzi, B.*** (2021) *J. Sci. Food Agric.*, **101**, 947.
- [68] Nardin, T., Larcher, R., van Leeuwen, K.A., Pilkington, L.I., Roman, T., Malacarne, M., **Fedrizzi, B.** (2020) *LWT - Food Sci. Tech.*, **134**, 110132.
- [67] Parish-Virtue, K., Johannisson-Wallman, M., Pilkington, L.I., Hsieh, S., Barker, D., **Fedrizzi, B.*** (2020) *J. Chem. Ed.*, **97**, 3847.
- [66] Mosafari, S., Jelley, R.E., **Fedrizzi, B.***, Barker, D. (2020) *Tet. Lett.*, **61**, 152642.
- [65] Jelley, R.E., Deed, R.C., Barker, D., Parish-Virtue, K., **Fedrizzi, B.*** (2020) *LWT - Food Sci. Tech.*, **131**, 109653.
- [64] van Leeuwen, K.A., Nardin, T., Barker, D., **Fedrizzi, B.**, Nicolini, G., Larcher, R. (2020) *Talanta*, **218**, 121105.
- [63] Jelley, R.E., Duhamel, N., Barker, D., **Fedrizzi, B.*** (2020) *Tet. Lett.*, **61**, 151663.
- [62] Chen, X., Quek, S.Y., **Fedrizzi, B.**, Kilmartin, P.A. (2020) *LWT - Food Sci. Tech.*, **124**, 109178.
- [61] Kinzurik, M.I., Deed, R.C., Herbst-Johnstone, M., Slaghenaufi, D., Guzzon, R., Gardner, R.C., Larcher, R., **Fedrizzi, B.*** (2020) *Food Microbiol.*, **89**, 103435.
- [60] Deed, R.C., Pilkington, L.I., Herbst-Johnstone, M., Miskelly, G.M., Barker, D., **Fedrizzi, B.*** (2019) *J. Sci. Food Agric.*, **99**, 6944.
- [59] Olejar, K.J., Vandermeer, C., **Fedrizzi, B.**, Kilmartin, P.A. (2019) *Horticulturae*, **5**, 69.
- [58] Olejar, K., Ricci, A., Swift, S., Zujovic, Z., Gordon, K., **Fedrizzi, B.**, Versari, A., Kilmartin, P. (2019) *Antioxidants*, **8**, 232.
- [57] Pilkington, L.I., Deed, R.C., Parish-Virtue, K., Huang, C.-W., Walker, M.E., Jiranek, V., Barker, D., **Fedrizzi, B.*** (2019) *Chem. Comm.*, **55**, 8868.
- [56] Duhamel, N., Larcher, R., Guella, G., Pilkington, L.I., **Fedrizzi, B.**, Barker, D. (2019) *Asian J. Org. Chem.*, **8**, 462.
- [55] Deed, R.C., Hou, R., Kinzurik, M.I., Gardner, R.C., **Fedrizzi, B.*** (2019) *FEMS Yeast Res.*, **19(2)**:foy109.
- [54] Parish-Virtue, K.J., Herbst-Johnstone, M., Bouda, F., **Fedrizzi, B.*** (2019) *Food. Chem.*, **271**, 747.
- [53] Sabaragamuwa, R., Perera, C.O., **Fedrizzi, B.** (2018) *Trends Food Sci. Technol.*, **79**, 88.
- [52] Morrison-Whittle, P., Lee, S.A., **Fedrizzi, B.**, Goddard, M.R. (2018) *Frontiers in Microbiology*, **9**, 910.
- [51] Mahmoodani, F., Perera, C.O., Abernethy, G., **Fedrizzi, B.**, Greenwood, D., Chen, H. (2018) *Food Chem.*, **261**, 149.
- [50] Mahmoodani, F., Perera, C.O., Abernethy, G., **Fedrizzi, B.**, Greenwood, D., Chen, H. (2018) *J. Am. Soc. Mass Spec.*, **29**, 1442.
- [49] Twidle, A.M., Barker, D., Seal, A.G., **Fedrizzi, B.**, Suckling, D.M. (2018) *J. Chem. Ecol.*, **44**, 406.
- [48] Duhamel, N., Slaghenaufi, D., Pilkington, L.I., Herbst-Johnstone, M., Larcher, R., Barker, D., **Fedrizzi, B.*** (2018) *J. Chrom. A*, **1537**, 91.
- [47] Deed, R.C., **Fedrizzi, B.**, Gardner, R.C. (2017) *J. Agric. Food Chem.*, **65**, 8902.
- [46] Huang, C.W., Walker, M., **Fedrizzi, B.**, Gardner, R.C., Jiranek, V. (2017) *FEMS Yeast Res.*, **17(6)**:fox058.
- [45] Huang, C.W., Walker, M., **Fedrizzi, B.**, Gardner, R.C., Jiranek, V. (2017) *FEMS Yeast Res.*, **17(5)**:fox046.
- [44] Twidle, A.M., Suckling, D.M., Seal, A.G., **Fedrizzi, B.**, Pilkington, L.I., Barker, D. (2017) *Phytochemistry*, **141**, 61.
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Book Chapters

- [4] Krasnow, M., Mavumkal, A., Zhang, T., Greven, M., Vasconcelos, M.C., Martin, D., Herbst-Johnstone, M., **Fedrizzi, B.*** (2015) Under-vine management to modulate wine chemical profile. In S. Ebeler (Ed.), *Advances in Wine Research* (pp 161-189). Washington, DC: Oxford University Press USA. doi:10.1021/bk-2015-1203.ch011.
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CONGRESS COMMUNICATIONS

Oral presentations (Conference/Workshop/Invited Lectures)

- [31] **Fedrizzi, B.** (2024) Invited keynote. International Mass Spectrometry Conference 2024. Melbourne (Australia)
- [32] **Fedrizzi, B.** (2023) Università degli Studi di Palermo. Invited seminar. Trapani (Italy)
- [30] **Fedrizzi, B.** (2023) Industry workshop. Southern Pinot workshop '23. Invited industry seminar. Christchurch (New Zealand)
- [29] **Fedrizzi, B.** (2022) Alternative Varietals workshop: Insight in the aroma chemistry. New Zealand Society for Viticulture & Oenology Technical Meeting. Invited industry seminar. Blenheim (New Zealand)
- [28] **Fedrizzi, B.** (2022) Edith Cowan University. Invited seminar. Perth (Australia)
- [27] **Fedrizzi, B.** (2022) Sulfur chemistry in wine science: the good, the bad, and the unknown. Southern Pinot workshop '22. Invited industry seminar. Online
- [26] **Fedrizzi, B.** (2020) ACS Fall 2020 National Meeting & Exposition. Virtual conference. Invited seminar (2020 Young Scientist Award recipient). Online
- [25] **Fedrizzi, B.** (2019) MS Wine Days. Invited keynote lecture. San Michele (Italy).
- [24] **Fedrizzi, B.** (2018) University of New South Wales. Invited seminar. Sydney (Australia).
- [23] **Fedrizzi, B.** (2018) Macrowine2018. Zaragoza (Spain).
- [22] **Fedrizzi, B.** (2018) University of British Columbia. Invited seminar. Vancouver (Canada).
- [21] **Fedrizzi, B.** (2017) Teaching Showcase. University of Auckland. Invited lecture. Auckland (New Zealand).
- [20] **Fedrizzi, B.** (2017) Italian Chemical Society Seminars. Trento (Italy). Invited seminar. Trento (Italy).
- [19] **Fedrizzi, B.** (2017) 10th In Vino Analytica Scientia. Salamanca (Spain).
- [18] **Fedrizzi, B.** (2016) New Zealand Winegrowers Primary Growth Partnership – Lifestyle wines Workshop. Invited keynote. Blenheim (NZ).
- [17] **Fedrizzi, B.** (2016) Australia New Zealand Metabolomics Society Meeting. Invited keynote. Melbourne (Australia).
- [16] **Fedrizzi, B.** (2015) University of Verona (Italy). Verona (Italy).

- [15] Larcher, R., Tonidandel, L., Nicolini, G., **Fedrizzi, B.** (2014) 248th American Chemical Society National Meeting. San Francisco (USA).
- [14] Krasnow, M., Mavumkal, A., **Fedrizzi, B.** (2014) 248th American Chemical Society National Meeting. San Francisco (USA).
- [13] **Fedrizzi, B.** (2013) Invited keynote Family of Twelve industry workshop. Nelson (NZ).
- [12] **Fedrizzi, B.** (2013) Workshop organised for the wine industry. Nelson (NZ).
- [11] Ferrarini, R., Nicolis, E., Bocca, E., Finato, F., Barbieri, P., **Fedrizzi, B.** (2011) 7th In Vino Analytica Scientia. Graz (Austria).
- [10] **Fedrizzi, B.**, Versini, G., Ferrarini, R., Finato, F., Casarotti, E., Piubelli, G., Cipriani, M. (2010) 240th American Chemical Society National Meeting. Boston (USA).
- [9] Ferrarini, R., Bocca, E., Stassi, A., Piubelli, G., Zanella, G., **Fedrizzi, B.**, Versini, G. (2010) 7th Foro Mundial del Vino. Rioja (Spain).
- [8] **Fedrizzi, B.**, Casarotti, E. M., Ferrarini, R., Finato, F., Versini, G. (2009) 6th In Vino Analytica Scientia. Angers (France).
- [7] Versini, G., Finato, F., **Fedrizzi, B.**, Cipriani, M. (2009) 100th Anniversary of the Italian Chemical Society. Padova (Italy).
- [6] **Fedrizzi, B.**, Versini, G., Magno, F. (2009) 100th Anniversary of the Italian Chemical Society. Padova (Italy).
- [5] **Fedrizzi, B.**, Versini, G., Ferrarini, R., Magno, F. (2009) 238th American Chemical Society National Meeting. Washington (USA).
- [4] **Fedrizzi, B.**, Nicolini, G., Magno, F., Versini, G. (2007) Forum Spumanti. Valdobbiadene (Italy).
- [3] **Fedrizzi, B.**, Versini, G., Magno, F., Moser, S., Nicolini, G. (2007) Enoforum. Piacenza (Italy).
- [2] **Fedrizzi, B.**, Badocco, D., Lavagnini, I., Versini, G., & Magno, F. (2007) 20th Congresso Nazionale di Chimica Analitica. San Martino al Cimino (Italy).
- [1] **Fedrizzi, B.**, Nicolini, G., Magno, F., Lavagnini, I., Versini, G. (2007) 5th In Vino Analytica Scientia. Melbourne (Australia).

COMMERCIALISATION AWARDS

- [2] Jelley, R.E., Barker, D., **Fedrizzi, B.** (2019). Velocity Challenge finalist and commercialisation award.
- [1] Lo, S., Barker, D., **Fedrizzi, B.** (2019). UniServices commercialisation award.