

LISTA PUBBLICAZIONI

ARTICOLI SU RIVISTE

1. Paraggio M., **Capece A.**, Lipani G., Romano P. (1998) Fermentation characteristics of *Saccharomyces cerevisiae* isolates from Aglianico of Vulture in Basilicata region of Southern Italy. *Alcologia* **10**, 113-117.
2. Romano P., Paraggio M., Monteleone E., Fiore C., Lipani G., Caruso M., **Capece A.**, Ricciardi A.M. (2001) Colture starter per la qualità e tipicità dei vini. L'indice di desiderabilità come strumento selettivo. *Industrie delle Bevande* **30**, 11-18.
3. Romano P., Paraggio M., Caruso M., Fiore C., **Capece A.**, Lipani G. (2001) Colture starter in vinificazione. Edizioni Incontritalia, Bari, pp. 1-44.
4. Paraggio M., Caruso M., Fiore C., **Capece A.**, Lipani G., Salzano G., Romano P. (2002) Produzione di composti secondari in ceppi vinari di *Saccharomyces cerevisiae*: analisi genetica come strumento selettivo. *Industrie Bevande* **31**, 116-118
5. Caruso M., **Capece A.**, Salzano G., Romano P. (2002) Typing of *Saccharomyces cerevisiae* and *Kloeckera apiculata* strains from Aglianico wine. *Letters in Applied Microbiology* **34**, 323-328.
6. Brandolini V., Tedeschi P., **Capece A.**, Maietti A., Mazzotta D., Salzano G., Paparella A., Romano P. (2002) *Saccharomyces cerevisiae* wine strains differing in copper resistance exhibit different capability to reduce copper content in wine. *World Journal of Microbiology and Biotechnology* **18**, 499-503.
7. **Capece A.**, Salzano G., Romano P. (2003) Molecular typing techniques as a tool to differentiate non-*Saccharomyces* wine species. *International Journal of Food Microbiology* **84**, 33-39.
8. Romano P., Caruso M., **Capece A.**, Lipani G., Paraggio M., Fiore C. (2003) Metabolic diversity of *Saccharomyces cerevisiae* strains from spontaneously fermented grape musts. *World Journal of Microbiology and Biotechnology* **19**, 311-315.
9. Romano P., Fiore C., Paraggio M., Caruso M., **Capece A.** (2003) Function of yeast species and strains in wine flavour. *International Journal of Food Microbiology* **86**, 169-180.
10. Sipiczki M., Romano P., **Capece A.**, Paraggio M. (2004) Genetic segregation of natural *Saccharomyces cerevisiae* strains derived from spontaneous fermentation of Aglianico wine. *Journal of Applied Microbiology* **96**, 1169-1175.
11. Romano P., Paraggio M., **Capece A.** (2004) Wine *Saccharomyces cerevisiae* improved by using traditional approaches". *Bulletin de l'O.I.V.* **77 (883-884)**, 631-641.
12. **Capece A.**, Sciancalepore A., Sunseri F., Romano P. (2004) Molecular tools for assessing genetic diversity in *Saccharomyces cerevisiae* and in the grapevine cultivar *Aglianico del Vulture* typical from South Italy. *Journal of Wine Research* **15 (3)**, 179-188.
13. **Capece A.**, Fiore C., Maraz A., Romano P. (2005) Molecular and technological approaches to evaluate strain biodiversity in *Hanseniaspora uvarum* of wine origin. *Journal of Applied Microbiology* **98**, 136-144.
14. Romano P., Paraggio M., **Capece A.**, Fiore C. (2005) L'impronta del ceppo di *Saccharomyces cerevisiae* sulla qualità organolettica del vino. *VQ* **0**, 38-46.

15. Flores Berrios E.P., Alba González J.F., Arrizon J., Romano P., **Capece A.**, Gschaedler Mathis A. (2005) The use of AFLP for detecting DNA polymorphism, genotype identification and genetic diversity between yeasts isolated from Mexican agave distilled beverages and from grape musts. *Letters in Applied Microbiology* **41**, 147-152.
16. **Capece A.**, Serafino V., Fiore C., Romano P. (2005) Ceppi vinari di *Saccharomyces cerevisiae*: variabilità genetica e tecnologica per la selezione di starter. *VQ* **1**, 36-40.
17. Romano P., Fiore C., **Capece A.** (2006) Lievito starter e qualità aromatica del vino. *Supplemento a L'Informatore Agrario* **14**, 27-30.
18. Romano P., **Capece A.** (2007) Yeast/vine interaction as selection tool to optimize wine typicality. *Acta Horticulturae* **754**, 125-137.
19. **Capece A.**, Fiore C., Romano P. (2007) Molecular and technological biodiversity in apiculate yeasts of wine origin. *Acta Horticulturae* **754**, 139-146.
20. Romano P., **Capece A.**, Poeta C. (2007) Biogenic amine formation in alcoholic fermentation. *Bulletin de l'O.I.V.* **80 (914-915-916)**, 251-262.
21. Romano P., **Capece A.**, Serafino V., Romaniello R., Poeta C. (2008) Biodiversity of wild strains of *Saccharomyces cerevisiae* as tool to complement and optimize wine quality. *World Journal of Microbiology and Biotechnology* **24**, 1797-1802.
22. K. Jeyaram, W. Mohendro Singh, **Capece A.**, Romano P. (2008) Molecular identification of yeast species associated with 'Hamei' - a traditional starter used for rice wine production in Manipur, India. *International Journal of Food Microbiology* **124**, 115-125.
23. Romano P., **Capece A.**, Poeta C., Massari C., Pietrafesa R. (2008) Vini più sani e tipici con i lieviti autoctoni. *Supplemento a L'Informatore Agrario* **35**, 21-23.
24. Mauriello G., **Capece A.**, D'Auria M., Garde-Cerdán T., Romano P. (2009) SPME-GC Method as a Tool to Differentiate VOC Profiles in *Saccharomyces cerevisiae* Wine Yeasts. *Food Microbiology* **26**, 246-252.
25. **Capece A.**, Romano P. (2009) "Pecorino di Filiano" cheese as a selective habitat for the yeast species, *Debaryomyces hansenii*. *International Journal of Food Microbiology* **132**, 180-184.
26. **Capece A.**, Siesto G., Romaniello R., Romano P. (2009) Restriction analysis of rDNA regions to differentiate non-*Saccharomyces* wine species in mixed cultures. *Journal of Engineering and Technology Research* **1 (4)**, 068-071.
27. Sinigaglia M, Di Benedetto N, Bevilacqua A, Corbo M.R, **Capece A.**, Romano P (2010). Yeasts isolated from olive mill wastewaters from southern Italy: technological characterization and potential use for phenol removal. *Applied Microbiology and Biotechnology* **87 (6)**, 2345-2354,
28. Csoma H, Zakany N, **Capece A.**, Romano P, Sipiczki M (2010). Biological diversity of *Saccharomyces* yeasts of spontaneously fermenting wines in four wine regions: Comparative genotypic and phenotypic analysis. *International Journal of Food Microbiology* **140**, 239-248.
29. **Capece A.**, Romaniello R., Siesto G., Pietrafesa R., Massari C., Poeta C., Romano P. (2010). Selection of indigenous *Saccharomyces cerevisiae* strains for Nero d'Avola wine and evaluation of selected starter implantation in pilot fermentation. *International Journal of Food Microbiology* **144**, 187-192.

30. Brandolini V., Maietti A., Tedeschi P., **Capece A.**, Romano P. (2011). Influence of *Saccharomyces cerevisiae* wine strains on total antioxidant capacity. *Annals of Microbiology* **61**, 125-130.
31. **Capece A.**, Romaniello R, Poeta C, Siesto G, Massari C, Pietrafesa R, Romano P (2011). Control of inoculated fermentations in wine cellars by mitochondrial DNA analysis of starter yeast. *Annals of Microbiology* **61**, 49-56.
32. Barrajón N., **Capece A.**, Arévalo-Villena M., Briones A., Romano P. (2011) Co-inoculation of different *Saccharomyces cerevisiae* strains and influence on volatile composition of wines. *Food Microbiology* **28**, 1080-1086
33. Jeyaram K., Tamang J. P., Capece A., Romano P. (2011) Geographical markers for *Saccharomyces cerevisiae* strains with similar technological origin domesticated for rice wine production in Northeastern states of India. *Antonie van Leeuwenhoek* **100 (4)**, 569-578.
34. **Capece A.**, Pietrafesa R., Romano P. (2011) Experimental approach for target selection of wild wine yeasts from spontaneous fermentation of "Inzolia" grapes. *World Journal of Microbiology and Biotechnology* **27**, 2775–2783.
35. **Capece A.**, Romaniello R., Siesto G., Romano P. (2012) Diversity of *Saccharomyces cerevisiae* yeasts associated to spontaneously fermenting grapes from an Italian “heroic vine-growing area”. *Food Microbiology* **31**, 159-166.
36. Siesto G, **Capece A.**, Sipiczki M, Csoma H., Romano P. (2013) Polymorphism detection among wild *Saccharomyces cerevisiae* strains of different wine origin. *Annals of Microbiology* **63**, 661–668. DOI 10.1007/s13213-012-0516-6.
37. De Bari I., De Canio P., Cuna D., Liuzzi F, **Capece A.**, Romano P. (2013) Bioethanol production from mixed sugars by *Scheffersomyces stipitis* free and immobilized cells, and co-cultures with *Saccharomyces cerevisiae*. *New Biotechnology* **30 (6)**, 591-597. DOI 10.1016/j.nbt.2013.02.003.
38. López-Martínez G., Pietrafesa R., Romano P., Cordero-Otero R., **Capece A.** (2013) Genetic improvement of *Saccharomyces cerevisiae* wine strains for enhancing cell viability after desiccation stress. *Yeast* **30**, 319-330. DOI: 10.1002/yea.2952.
39. **Capece A.**, Siesto G., Romaniello R., Lagreca V.M., Pietrafesa R., Calabretti A., Romano P. (2013) Assessment of competition in wine fermentation among wild *Saccharomyces cerevisiae* strains isolated from Sangiovese grapes in Tuscany region. *LWT - Food Science and Technology* **54**, 485-492. DOI: 10.1016/j.lwt.2013.07.001
40. **Capece A.**, Siesto G., Poeta C., Pietrafesa R., Romano P. (2013) Indigenous yeast population from Georgian aged wines produced by traditional “Kakhetian” method. *Food Microbiology* **36**, 447-455.
41. **Capece A.**, Romaniello R., Pietrafesa R., Romano P. (2014) Indigenous *Saccharomyces cerevisiae* yeasts as a source of biodiversity for the selection of starters for specific fermentations. *BIO Web of Conferences* **3**, 02003. DOI: 10.1051/bioconf/20140302003.
42. Romano P., Pietrafesa R., Romaniello R., Zambuto M., Calabretti A., **Capece A.** (2015) Impact of yeast starter formulations on the production of volatile compounds during wine fermentation. *Yeast* **32**, 245–256.

43. Crispo F., **Capece A.**, Guerrieri A., Romano P. (2016) Capillary zone electrophoresis as alternative tool for rapid identification and quantification of viable *Saccharomyces cerevisiae* cells. *LWT - Food Science and Technology* 68, 506-513.
44. **Capece A.**, Votta S., Guaragnella N., Zambuto M., Romaniello R., Romano P. (2016) Comparative study of *Saccharomyces cerevisiae* wine strains to identify potential marker genes correlated to desiccation stress tolerance. *FEMS Yeast Research*, 16 (3). doi: 10.1093/femsyr/fow015.
45. Ciani M., **Capece A.**, Comitini F., Canonico L., Siesto G., Romano P. Yeast Interactions in Inoculated Wine Fermentation. *Front. Microbiol.* 7:555. doi: 10.3389/fmicb.2016.00555.
46. **Capece A.**, Granchi L., Guerrini S., Mangani S., Romaniello R., Vincenzini M., Romano P (2016) Diversity of *Saccharomyces cerevisiae* Strains Isolated from Two Italian Wine-Producing Regions. *Front. Microbiol.* 7:1018. doi: 10.3389/fmicb.2016.01018.
47. Lalou S., **Capece A.**, Mantzouridou F.T., Romano P., Tsimidou M.Z. (2016) Implementing principles of traditional concentrated grape must fermentation to the production of new generation balsamic vinegars. Starter selection and effectiveness. *Journal of Food Science and Technology*. 53 (9), 3424-3436.

CAPITOLI SU LIBRI

1. Romano P. Fiore C., **Capece A.** (2005) Metodi per la caratterizzazione fenotipica di lieviti. In: Vincenzini M., Romano P., Farris G.A. (Eds) "Microbiologia del vino", Edizioni CEA, Milano, pp 435-450. ISBN: 8840813292.
2. Romano P., Jespersen L., **Capece A.** (2006) "Taxonomic and ecological diversity of food and beverage yeasts needed to outline scope of relevant yeasts". In: A. Querol, G. Fleet (Eds.) *The Yeast Handbook vol. 2: "Yeasts in Food and Beverages"*, Springer-Verlag Berlin Heidelberg, Germany, pp 13-53. ISBN: 3540283889.
3. Romano P, **Capece A.** (2007). Lieviti e aromi. In: RENZO ANGELINI. *Coltura & cultura: La vite e il vino*. MILANO: Bayer Crop Science (ITALY), pp. 490-505.
4. Romano P, **Capece A.** (2007). Il vino. In: COCOLIN L.S., COMI G. *La microbiologia applicata alle industrie alimentari*. ROMA: Aracne Editrice (ITALY), pp. 447-484. ISBN: 9788854811096.
5. **Capece A.**, Romano P. (2007). Microbiologia degli alimenti: I microrganismi come agenti di trasformazione e produzione di alimenti. In: BIAVATI B., SORLINI C. *Microbiologia generale e agraria*. MILANO: Casa Editrice Ambrosiana (ITALY), pp. 355-375. ISBN: 9788840813943.
6. **Capece A.**, Romano P. (2012). Microbiologia degli alimenti: I microrganismi come agenti di trasformazione e produzione di alimenti. Cap. 15, pp 339-357. In: Biavati B., Sorlini C., *Microbiologia generale ed agraria, 2° edizione*, Casa Editrice Ambrosiana. ISBN 978-88-08-18113-8.
7. Romano P., Capece A. (2013). *Saccharomyces cerevisiae* as Bakers' Yeast. In: *Encyclopedia of Biotechnology in Agriculture and Food*. Publisher: Taylor & Francis. DOI: 10.1081/E-EBAF-120047305