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**ABOUT THE PROBLEMS OF
SCIENCE AND PRACTICE,
TASKS AND WAYS TO
SOLVE THEM**

VI

**SCIENTIFIC AND PRACTICAL
CONFERENCE**

26-30 October

Milan, Italy

DOI 10.46299/ISG.2020.II.VI

ISBN 978-1-63649-928-4

**ABOUT THE PROBLEMS OF
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Abstracts of VI International Scientific and Practical Conference

Milan, Italy
October 26-30, 2020

ABOUT THE PROBLEMS OF SCIENCE AND PRACTICE, TASKS AND WAYS TO SOLVE
THEM

Library of Congress Cataloging-in-Publication Data

UDC 01.1

The VI th International scientific and practical conference «About the problems of science and practice, tasks and ways to solve them» (October 26-30, 2020). Milan, Italy 2020. 596 p.

ISBN - 978-1-63649-928-4

DOI - 10.46299/ISG.2020.II.VI

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THE ROSE "LEONARDO DA VINCI" BY ALAIN MAYLAND

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"Learning never exhausts the mind."

Leonardo Da Vinci

Leonardo Da Vinci (**Fig. 1**), best know for *his Mona Lisa* (see **video [2; 18]**) and *The Last Supper* (see **video [16]**) artworks, was an Italian Renaissance polymath whose areas of interest included invention, painting, sculpting, architecture, science, music, mathematics, engineering, literature, anatomy, geology, astronomy, botany, writing, history, and cartograph [29; 33] (see **video [3; 6; 11]**).

The rose "**Leonardo da Vinci**" belongs to the floribunda group. The group of Floribunda includes bush roses of various varieties, but the most popular is all the same, da Vinci. Created a variety in 1994 by Alain Mayland (**Fig. 2**) and gave the name in honor the greatest artist Leonardo da Vinci [27] (**Fig. 2, 3**).

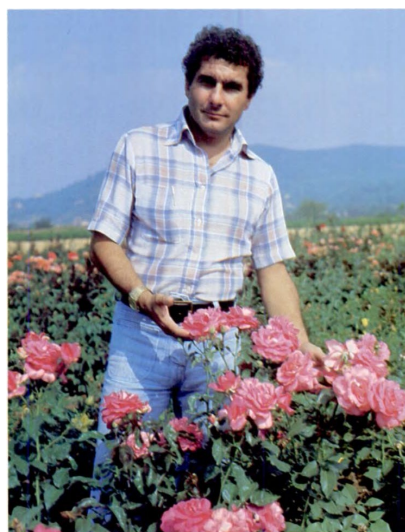


Fig. 1. Leonardo da Vinci. Fig. 2. Rose «Leonardo da Vinci». Fig. 3. Alain Mayland.

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Leonardo da Vinci (15.04.1452–02.05.1519) worked and lived from 1482–1499 and from 1506–1513 in Milan at the Sforza Castle, under the Duke Ludovico il Moro [4], see movie [34].

His job was to take care of the cultural life and the arts at the court of Milan. During this period, Leonardo da Vinci was busy with inventions, the expansion of the system of Navigli and the construction of locks as well as the study of man. During his time in Milan, he also created the artwork "The Last Supper" (Fig. 7) and the famous "Lady with Hermlin" (Fig 6) (owned by the Czartoryski Museum in Krakow) [10].

Piazza della Scala is a central square of Milan connected to the main square of Milan, Piazza del Duomo, by the Galleria Vittorio Emanuele II passage. The name of the square dates back to the church of Santa Maria della Scala, dating from 1381, which was once located here.

Today, the square refers to the renowned Teatro alla Scala opera house, which occupies the north-western side of the square. When La Scala was built in 1778, it was facing a street rather than a square. It was only in the late 19th century that the authorities of Milan initiated a thorough renovation of the area, which involved the creation of the square [10].

The center of the square is marked by the monument of Leonardo da Vinci by sculptor Pietro Magni (1872, Fig. 5). Four of his pupils are depicted in life-size statues. They include Giovanni Antonio Boltraffio, Andrea Salaino, Marco d'Oggiono, and Cesare da Sesto (Fig. 1; 4), see video [15; 35].



Fig. 4. The monument of Leonardo da Vinci(Milan).



Fig. 5. Pietro Magni.

In front of Teatro La Scala, the statue in Carrara marble with a base in Baveno granite was commissioned before Italy's unification by the Academy of Fine Arts in Brera and later inaugurated in 1872 under King Vittorio Emanuele II. The Milanese call it "*on liter in quatter*" in dialect, which roughly translates to "a liter in four": the effigy of Leonardo symbolizes a bottle of wine, while the four pupils at his feet (Marco d'Oggiono, Andrea Salaino, Cesare da Sesto e Giovan Antonio Boltraffio) represent glasses [4].

In 2019, the year marking the 500th anniversary of Leonardo's death (in France on May 2, 1519), the Lombard capital has organized a rich calendar of events and initiatives to honor the extraordinary figure and his groundbreaking work.

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Exhibits, installations, concerts, and multimedia events are all scheduled as part of "Milan and Leonardo 500", which began in 2018 and will culminate in 2020 [4].

Some researches are devoted to the description of roses named after prominent people [7; 22; 23; 24; 30; 31; 32].

Leonardo da Vinci is a Floribunda grade of rose (Fig. 2, 11–15). Launched by Alain Meyland in France in 1993 under the registration name 'MEIdeauri " and presented in 1994 by Meilland International – a French company engaged in the



Fig. 6. Lady with an Ermine . Fig. 7. The Last Supper (Basilica of Santa Maria Delle Grazie).

selection and production of roses. Named after the outstanding artist Leonardo da Vinci and belongs to "the Romance "series of the Meyland International company. Obtained as a result of pollination of the rose 'Sommerwind (Fig. 8) "with a mixture of pollen from the varieties' Milrose"(Fig. 9) and' Rosamunde" (Fig. 10). He is the winner of the Italian *Monza Rose Trials* rose competition. Harmoniously combines the historical shape of a flower and the compliance of modern requirements to it [34].



Fig. 8. Rose "Sommerwind". Fig. 9. Floribunda Rose "Milrose". Fig. 10. "Rosamunde".

French breeder Alain Mayland said: "... we rose breeders are always looking into the future, always hoping that this year's cross-pollination will yield exciting results for rose lovers to enjoy eight to ten years from now, we must be optimists." [14].

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The form of roses *Leonardo da Vinci* changes in the process of flowering from a rounded pointed bud to a goblet. The unopened bud has a rich crimson color. Opened flowers raspberry pink. In one brush collected from 3 to 5 buds (Fig. 14). Roses have a faint light fragrance. The stems of the plant have dense glossy leaves (Fig. 11; 12; 13).

The bush is thick (Fig. 12), spreading, erect, 60–150 cm high (in warm regions it can grow up to two meters). Young shoots reach a height of about 60–90 cm; with age, they turn into a well-leafy shrub with flowers evenly spaced on it, resembling ancient English roses. Shoots hard and strong, with reddish thorns. The leaves are glossy, dense, rich green color [34], see video [12; 37].

The blooming of the Leonardo da Vinci variety begins in June and lasts (Fig. 15), with short breaks, until the end of the summer period. Plants, with proper planting and good care, will delight you with abundant flowering in the first year of life. Buds are formed both on last year's shoots and on young ones. The flowers are resistant to rain and summer heat.

Rose *Leonardo da Vinci* Characteristics

Kindom: Plantae
Clade: Tracheophytes
Clade: Floribunda. Romantica.
Order: Rosales
Family: Rosaceae
Genus: Rosa
Species: Rosa «Leonardo da Vinci»
Family: Shrub Rose
Size: Small Shrub 80cm 80cm
Height: 60-150 cm
Width: 60-110 cm
Petals: 75–80
Flowers: 5–7 cm
Colour: raspberry pink
Breeder: Alain Meyland
Year of Introduction: 1994.
Light: Full sun. [8; 26; 25].



Fig. 11. Bouquet.



Fig. 12. Rosa «Leonardo da Vinci» in the garden.



Fig. 13. Flowering rose.

To sum up. Rosa *Leonardo da Vinci* blooms continuously. The flowering period will last the entire warm period. The plant has excellent winter hardiness. It is resistant to many diseases.

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Advantages of a grade: plentiful and bright blossoming, resistance to bad weather conditions, unpretentiousness, resistance to diseases. The disadvantages include the lack of rich aroma [25].



Fig. 14. The buds of *Leonardo da Vinci* rosa.

Fig. 15. The blooming of the *Leonardo da Vinci*.

Sometimes this rose is confused with the ‘*Red Leonardo da Vinci*’ variety, which has dark red flowers (Fig. 16, 17).

There is one subsort. It bred in 2005. The color is crimson (whereas the traditional *Leonardo da Vinci* rose is pink). The number of petals in one bud reaches 100 pieces.



Fig. 16. The ‘*Red Leonardo da Vinci*’.

Fig. 17. The blooming of the *Red Leonardo da Vinci*.

The French floribunda from Meilland called “Red Leonardo da Vinci” was obtained as a result of breeding works in 2003. This variety compares favorably with other varieties of this group by very attractive, dark red coloring, rosette-like, medium size, densely double flowers, collected in small brushes. Rose "Leonardo da Vinci red" has increased stamina, as well as abundant flowering [28].

Bush height from seventy to one hundred centimeters is quite unpretentious. This is the rose of *Red Leonardo da Vinci*. The birth of this variety dates back to 2005. In the same year, the variety of the French company Meilland International was awarded for environmental friendliness. The plant is resistant to diseases and does not require chemical treatment. In 2011, this variety was awarded another award.

Rosa Red Leonardo da Vinci is different from her relative – the usual buds of Leonardo da Vinci. The inflorescences are made up of 3 or 5 rose-shaped flowers (Fig. 17), reaching 7 cm in diameter. They have a delicate fragrance. Terry rose quite full. The number of petals in one bud varies from 90 to 100 pieces (see **video [27; 37]**).

Plain rose Leonardo da Vinci is pink. In contrast, this variety has a bright crimson color. Continuous flowering is accompanied by a large number of inflorescences. The plant is relatively winter-hardy, but it requires shelter for the winter [25].

In summary. The garden will be bleak without the decorative component – flowers. The pearl of the collection "Roses of Romance" is indisputably a variety of roses *Leonardo da Vinci*. Historical appearance is harmoniously combined with modern requirements of flower. The rose "Leonardo da Vinci" will decorate any site, looks beautiful and noble. The variety has received high praise for its elegance and high decorativeness. *The Leonardo da Vinci* rose is always present in the catalogs of the largest commercial nurseries like flower drawings by Leonardo da Vinci in the catalogs of the largest museums (Fig. 18, 19, 20).



Fig. 18. Leonardo da Vinci's rose.



Fig. 19. Lilies.



Fig. 20. Violets.

References

1. Alternative cultivar names. URI : <https://garden.org/plants/view/2831/Rose-Rosa-Leonardo-da-Vinci/>
2. Does 'The Last Supper' Really Have a Hidden Meaning? URI : <https://www.youtube.com/watch?v=J5t91VaiBYY>
3. Explore the life of Italian painter, architect, engineer, and humanist Leonardo da Vinci. URI : <https://www.britannica.com/video/81353/video-life-Leonardo-da-Vinci-works-artist-1957>
4. Fiandaca Roberto. Leonardo da Vinci in Milan: Following in the Footsteps of Genius. URI : <https://www.elledecor.com/it/best-of/a26813854/leonardo-da-vinci-milan-what-to-see/>
5. Floral emblem URI: https://en.wikipedia.org/wiki/Floral_emblem
6. History Documentary BBC ❖ Leonardo DaVinci, behind a Genius". URI :

ABOUT THE PROBLEMS OF SCIENCE AND PRACTICE, TASKS AND WAYS TO SOLVE THEM

<https://youtube/5yT4IkPtTRo>

7. Kotliarova O., Pet'ko L. *Wuthering Heights* and rose *Emily Brontë* named after celebrating the bicentenary of the birth of the novelist // Актуальні питання науки: матеріали I міжнародної наук.-практ. інтернет-конференції (м. Бердянськ, 30 квітня 2020 р.). Бердянськ : БДПУ, 2020. – 202 с. С. 8–17.

8. 'Leonardo de Vinci' rose Description. URI : <https://www.helpmefind.com/rose/1.php?l=2.3792.3>

9. Leonardo da Vinci URI : <https://www.britannica.com/biography/Leonardo-da-Vinci>

10. Leonardo Statue in Piazza della Scala. URI : <https://buffaloah.com/a/virtual/italy/milan/pdscala/pds.html>

11. Leonardo Da Vinci Paintings at the National Gallery. URI : https://youtu.be/sv_sP5VM8Vg

12. Leonardo da Vinci Rose. URI : <https://www.youtube.com/watch?v=Y05FxoL3LS0&list=PLdkLGZjAN5Eohqk0C2OydttdpYF8vgfoXN&index=38>

13. Meilland, a Life in Roses. – from the Preface. URI : https://books.google.com.ua/books?id=BkWDzm48DLQC&pg=PA50-IA7&hl=uk&source=gbs_toc_r&cad=3#v=onepage&q&f=false

14. Meilland International. URI : https://ru.m.wikipedia.org/wiki/Meilland_International

15. Milan, Italy: Leonardo da Vinci. URI : <https://www.youtube.com/watch?v=6NITXWPBalo>

16. Mona Lisa Returns To The Louvre In Paris After Restoration. URI : <https://www.youtube.com/watch?v=4YExYRafInI>

17. National Flower of the United States. URI : <https://statesymbolsusa.org/symbol-or-officially-designated-item/state-flower/rose>

18. New evidence that the painting in the Louvre may not be the original Lisa – Secrets of the Mona Lisa. URI : https://www.youtube.com/watch?v=rF71y5L_U4

11. Red *Leonardo da Vinci* (MEIangele, Hilde Umtasch). URI : <http://www.rosebook.ru/roses/floribunda/red-leonardo-da-vinci/>

19. Pet'ko L.V. Development of students' cognitive activity in foreign language teaching for professional purposes by using analogy method / Pet'ko L.V. / Actual problems of globalization: Collection of scientific articles. – Midas S.A., Thessaloniki, Greece, 2016. P. 232–237.

URI <http://enpuir.npu.edu.ua/handle/123456789/11301>

20. Pet'ko L.V. Brainstorming and the formation of professionally oriented foreign language teaching environment in the conditions of university (for the specialties 023 «Fine Arts» and 022 «Design») // Economics, management, law : challenges and prospects: Collection of scientific articles. Psychology. Pedagogy and Education. – Discovery Publishing House Pvt. Ltd., New Delhi, India. 2016. P. 214–217.

21. Pet'ko L.V. Formation of professionally oriented foreign language teaching environment in the conditions of university for students of specialties 023 «Fine Arts»

and 022 «Design» // Economics, management, law: realities and perspectives: Collection of scientific articles. Psychology. Pedagogy and Education. – Les Editions L'Originale, Paris, France. 2016. – P. 466–470.

22. Pet'ko L., Faut M. Rose: America's National Flower // Current Trends in the Development of Science and Practice: papers of the XXIth International scientific and practical conference (15–16 June, 2020). Haifa, Israel. Publisher : International Science Groupe. 2020. Pp. 48–54. doi: 10.46299/ISG.2020.XXI
URI : <http://enpuir.npu.edu.ua/handle/123456789/29618>

23. Pet'ko L., Turchynova G., Bova K. Rosa "Sir Walter Scott Rose" by David Austin // Integration of scientific bases into practice: abstracts of IV International Scientific and Practical Conference (Stockholm, 12–16 October 2020 p.), Stockholm, Sweden : International Science Group 2020. 523 p. Pp. 33–41.

24. Pet'ko L., Turchynova G., Sokolov T. The *William Shakespeare* Rose and the Rose in Shakespeare's works // Impact of modernity on science and practice: Abstracts of XVIII International Scientific and Practical Conference. Boston, USA 2020. Pp. 116–125.

25. Rosa Red *Leonardo Vinci* Description. Rosa *Leonardo da Vinci*: description and reviews. URI : <https://24segodnya.ru/en/potolok/roza-red-leonardo-vinchi-opisanie-roza-leonardo-da-vinchi-opisanie-i-otzyvy/>

26. Rosa 'Leonardo da Vinci'. URI : https://ru.wikipedia.org/wiki/Rosa_%27Leonardo_da_Vinci%27

27. Rosa Red *Leonardo Vinci*. URI : https://ru.wikipedia.org/wiki/Rosa_%27Leonardo_da_Vinci%27

28. Rose Leonardo da Vinci. Rose "Leonardo da Vinci": description, cultivation and care of Rose Leonardo da Vinci red. URI : <https://travelerscoffee.ru/en/cvety/roza-leonardo-da-vinchi-roza-leonardo-da-vinchi-opisanie/>

29. Science and inventions of Leonardo da Vinci. URI : <https://f2.proxy.py.org/o/69636e69565f61645f6f6472616e6f654c5f666f5f736e6f69746e65766e695f646e615f65636e656963532f696b69772f67726f2e6169646570696b69772e6e652f2f3a7370747468>

30. Sharpilo D., Pet'ko L. *Charles Darwin*. English Shrub Rose bred by David Austin // Фундаментальні та прикладні наукові дослідження: актуальні питання, досягнення та інновації: матеріали I міжнародної науково-практичної інтернет-конференції (м. Бердянськ, 27 березня 2020 р.). Бердянськ. 2020. 150 с. С. 30–36.

31. Shevchenko V., Pet'ko L. *William Shakespeare* rose named after 'British Man of the Millennium' // Фундаментальні та прикладні наукові дослідження: актуальні питання, досягнення та інновації: матеріали I міжнародної науково-практичної інтернет-конференції (м. Бердянськ, 27 березня 2020 р.). Бердянськ. 2020. 150 с. С. 37–44.

32. Stepanchenko D., Pet'ko L. The rose *Sweet Juliet* is a tribute to young love // Актуальні питання науки: матеріали I міжнародної наук.-практ. інтернет-конференції (м. Бердянськ, 30 квітня 2020 р.). Бердянськ : БДПУ, 2020. – 202 с. С. 36–46. URI: <http://enpuir.npu.edu.ua/handle/123456789/28862>

ABOUT THE PROBLEMS OF SCIENCE AND PRACTICE, TASKS AND WAYS TO SOLVE THEM

33. 16 Greatest Leonardo Da Vinci Quotes On Love, Simplicity, Knowledge And Art. URI : <https://www.geckoandfly.com/25572/leonardo-da-vinci-quotes/>

34. "The Da Vinci Code 2006 Full Movie Tom Hanks Movies"
<https://youtu.be/atvJQKDA-p0>

35. Visit Milan – Top 10 Sights in Milano, Italy. URI : <https://www.youtube.com/watch?v=qcniWrG-6kI>

36. Как распускается роза Ред Леонардо да Винчи (Флорибунда) – Red *Leonardo da Vinci* (Meilland, 2003). URI: <https://www.youtube.com/watch?v=-A3WQOk-D1w&feature=youtu.be>

37. Розы Леонардо да Винчи и Ред Леонардо да Винчи, сравним. (Rose *Leonardo da Vinci*). URI : <https://www.youtube.com/watch?v=XbAxe7AGh-E>

38. Турчинова Г. В. Психолінгвістичні передумови оволодіння іноземною мовою для спеціальних цілей. *Наукові записки* : [збірник наукових статей] / М-во освіти і науки, молоді та спорту України, Нац. пед. ун-т імені М. П. Драгоманова ; укл. Л.Л.Макаренко. Київ: Вид-во НПУ імені М. П. Драгоманова, 2011. Вип. 98. С. 201–207.

39. Турчинова Г. В. Причини виділення педагогічних спеціальностей, де іноземна мова вивчається як другий фах, в окремий напрямок // Мовна освіта: шлях до євроінтеграції: міжнародний форум, тези доповідей / за ред. С. Ю. Ніколаєвої, К. І. Онищенко. Київ: Ленвіт, 2005. С. 279–281.

40. Турчинова Г. В. Система вправ для навчання професійно орієнтованого монологічного та діалогічного мовлення методика навчання іноземних мов. *Наукові записки Національного педагогічного університету імені М. П. Драгоманова. Серія: Педагогічні та історичні науки* : [зб. наук. статей] / М-во освіти і науки, молоді та спорту України, Нац. пед. ун-т ім. М. П. Драгоманова. Київ : Вид-во НПУ ім. М. П. Драгоманова, 2012. Вип. 108. С. 193–204.

41. Турчинова Г. В. Структура та характеристика етапів курсу навчання викладання біології англійською. *Наукові записки Національного педагогічного університету імені М.П. Драгоманова. Серія: Педагогічні та історичні науки* : [зб. наук. статей] / М-во освіти і науки, молоді та спорту України, Нац. пед. ун-т ім. М.П. Драгоманова. – Київ: Вид-во НПУ ім. М. П. Драгоманова, 2013