

## **Author Instructions for Publication in Records of Natural Products (RNP) (for Essential oils and related studies)**

*Records of Natural Products (RNP)* invites the authors to submit their studies on all aspects of natural product researches including: Extraction and distillation of natural products, essential oils, structural elucidation of natural products, bioactivity, biotechnology and pharmacology of natural products, ethnobotany and traditional usage of natural products, bioassay-guided isolation of natural product, natural product biosynthesis etc.

This is the information about preparation of a publication in *Records of Natural Products*. The instructions below are specifically directed to authors who wish to submit a manuscript about essential oils and related studies to *Records of Natural Products*.

Submitted contributions to *Records of Natural Products* must be original research and that they have been submitted only to *Records of Natural Products*, that they have not been published and under consideration for publication or in press elsewhere. These manuscripts will be subjected to review by referees at the discretion of the Editorial Office.

### **Manuscript preparation**

Please visit the website of journal and prepare your manuscript to the available template files on the website of journal. Please prepare your manuscript as camera ready for publication. Tables and figures must be placed by the authors to appropriate places. The journal can change their places during proof process.

### **Types of paper**

**Original Articles:** These manuscripts should describe the essential oil studies first time and cover completed investigation studies. It should also give full composition of essential oils, structure elucidation of novel compounds in the essential oils, biological activities of essential oils and target compounds in the oils. In the manuscript new essential oil production techniques, analytical methods for essential oils, target compound isolation by new preparative techniques, chemical ecology and chemotaxonomic investigations of essential oil bearing plant materials should be discussed regarding present and literature data.

**Short Reports:** A Short Report should be brief note on the chemical composition of aromatic plants and/or biological activities of the essential oils. These manuscripts are suitable for reporting known volatile compounds from new biological sources, essential oil compositions, and new activities of known compounds. Short reports should be prepared to publish the data as quick as possible before somebody else publishes it. For preparing short A scientific online free journal in the field of natural products reports, methods, techniques and general procedures should be supported by references (citation of previous studies) instead giving all details in the text.

The short report manuscript should be prepared maximum six pages together with references. In order to reduce manuscript length as a short report, specific experimental data, spectra, calculations and information should be supported as supplementary materials if it is necessary.

In both manuscripts describing routine, predictable or unexceptional bioactivity (*e.g.*, antimicrobial, antioxidant, antifeedant activities etc.) screening of essential oils or crude extracts are generally not acceptable for publication in *Records of Natural Products*. If the same species of plant materials studied before and those are belonging to the closer regions show similar results (*e.g.*, composition, biological activity, etc.) will not be accepted for publication unless unexpected different data obtained.

## **2. Language of paper**

The manuscript must be prepared in English. It should be checked by a native speaker or a professional language editing service prior to submit if the authors who are not native English speakers. If technical language of the manuscript is incomprehensible or ambiguous, it will be returned to the authors for language correction.

## **3. Title of paper**

Title of the manuscript should be clear and as brief as possible. It should be specific and describing the nature of all the paper. The length of the title should not exceed the 3 lines. Plant author names should be provided if Latin name of the material used in the title (*e.g.*, *Mentha arvensis* L. subsp. *canadensis* ( L. ) H.Hara, *Origanum husnucan-baseri* H.Duman, Aytaç & A.Duran, etc.).

It should be typed on a separate page with affiliation and addresses of all the authors, including corresponding author with an asterisk. The authors' names should have full name and surname. Initials should be used for middle names. E-mail and tel./fax number of the corresponding author should be provided as a foot note on the title page.

## **4. Abstract of paper**

The abstract is an important parts of the manuscript. Most of the citations will be realized according to the abstract information of the study. Abstract of the manuscripts should be prepared maximum 200 words for both types (*original article and short report*) of A scientific online free journal in the field of natural products submissions. In this section all experimental and theoretical studies should be summarized together with results. Latin name of the materials used in the studies should be given with author's name. Common names of the studied materials should also be mentioned if applicable.

## **5. Keywords**

Each paper should have a minimum 3 keywords and these keywords should be selected carefully to specify the current studies. Number of the keywords should be selected as minimum as possible and not be more than ten. For the compound names, only major compounds, isolated compounds or selected important compounds can be given as common name. Family and species names of the plant materials can also be given as a keyword. Abbreviations should not be used if it is not obligatory except very common techniques like GC, GC/MS, NMR etc. Each keyword should be separated by semicolon (;).

## **6. Introduction**

The introduction should present the object and/or reason of the studies. In this section, subject should be explained clearly regarding previous studies and present situation. Purpose and reason of the present studies should be clarified. Previous studies should be cited and relation to present studies discussed.

## 7. Materials and Methods

In this section, plant materials, techniques, analysis condition and all experimental application used in the studies should be given in details. If the methods have already been published before, they should be indicated by a reference. Only relevant modifications should be described in the text.

This section should be completed in different sub-sections (*e.g.*, 2.1. *Plant Materials*, 2.1. *Distillation of Plant Materials*, 2.2. *GC and GC/MS Analysis of Essential Oils*, etc.).

Detailed information of plant materials should be given. Collection place, time, parts of materials, identification by whom, voucher specimens deposit place and record numbers should also be explained. Specimens should preferentially be deposited in a major regional herbarium where the collection is maintained by state or private institution. All plant materials subjected to these studies must be given their correct taxonomic classification, including the author citation (*e.g.*, *Origanum vulgare* L. subsp. *hirtum* (Link) Ietsw.). The genus A scientific online free journal in the field of natural products abbreviation may be used in rest of the text for further citations if other species are mentioned after the genus has been introduced (*e.g.*, *O. onites* L., *O. sipyleum* L., *O. minutiflorum* O.Schwarz & P.H.Davis, etc.).

Techniques and the experimental studies should be given together with the yields of final products in moisture free basis. The size or quantities of apparatus used for experimental applications should be clarified. If there is a modification on the systems or techniques, this situation should also be explained regarding difference with the common technique and systems.

Analysis information should be given in detail such as equipments, types and sizes of columns, stationary and mobile phase information, types of measurements, libraries used for evaluations, etc. Techniques and the types of statistical calculations and the data used for these experiments should be explained.

Two different polarity column experiments preferred for essential oil composition studies. However, all compounds should be listed in the order one of the different polarity column retention indices. Both column retention indices should be listed not only for experimental but also together with literature data. Relative Retention Indices (RRI) must be calculated from the same equipments and should be listed as integer not decimal values (*e.g.* 850, 1025, 2156, etc.). **The RRI range values of literature must be provided as a column in the composition table and related references must be given.**

Qualitative and quantitative experiments are necessary for essential oil studies. GC/MS analyses must be completed for identification of the compounds in the oils. If identification of the compounds by MS are not satisfied, then other spectroscopic techniques such as IR, NMR should be supported. For quantification of the essential oil composition; GC-FID integration should be used. TIC from GC/MS is not accepted for quantification. Normalising peak areas, internal standards, external standards and standard addition methods are preferred as the techniques for quantification. In case of giving relative percentages, the experiment, at least, should be triplicated and listed with standard deviations. Single run data will not be accepted for publication.

Name and source of microorganisms for biological activity studies should be given and the test studies should be explained in detail. For microorganisms, the culture collection from A scientific online free journal in the field of natural products which they were either accessed and/or deposited should be included, together with identification of the strain designation code.

Except commonly used, biochemicals that are abbreviated should be spelled out in full (*in brackets*) immediately following their first usage in the text.

## 8. Results and Discussion

Results should be clear and concise and discussed in detail. Only summarized data from experimental section is not accepted. Discussion should explore the significance of the results of the work, not repeat of them. It should also be avoided extensive citations and discussion of published literature. However, discussion should be completed not only on present data but also on relations between present and previous studies. GC/MS is used for identification of each compound. However, relative amounts of the essential oils should be calculated from GC-FID integration not from TIC of GC/MS. Do not report significant data figures for which the level of experimentation error is not acceptable such as capillary GC integration data (*e.g.*, 1.2 % not 1.185 %). Essential oil compositions should also be discussed on the relation to the sources, regional and other effects.

Acceptance of the manuscript for publication will be done according to the main subject of the study. Essential oil composition of only one species will not be accepted. There must be either more than one species, or more samples from different locations belong to same/different species. A group of samples should be statistically analyzed (like cluster analysis).

Bioactivity studies should be supported by chemical studies. The results should be discussed on relation between the composition or specific compounds. Responsible compounds in the essential oils should be explained in detail and/or supported by using standards for tested activities.

If there are isolation or fractionation studies on essential oils, compound characterization should be discussed. Physical and spectroscopic data for new compounds must be comprehensive (*e.g.*, melting and/or boiling point, refractive index, optical rotation and/or circular dichroism measurements, UV, IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, MS, etc.). For all new compounds, either high-resolution mass spectral or elemental analysis data are required.

## 9. Acknowledgments

Acknowledgements should be placed at the end of the article before the references. It should be kept to a minimum. List of those individuals who provided help during the research studies (*e.g.*, providing financial and experimental support, language help, etc.) should be mentioned here.

## 10. Appendixes

Appendixes should be supplied together with the submitted manuscript. They must be mentioned in the text. These are part of the study not supplementary materials. Generally, flow charts, drawings, computer programs, etc. are accepted as appendixes.

## 11. References

Please ensure that every reference cited in the text is also present in the reference list (*and vice versa*). Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text.

The references must be numbered consecutively in the manuscript text (one number per reference ) and should be typed in order on a separate page. Please see the references style on the website of journal in instruction for authors page.

## 12. Figures

Figure number and the caption should be placed under the figures correspondingly. Please provide the highest quality figure format as much as possible and be sure that all imported scanned material is scanned at the appropriate resolution: 1200 dpi for line art, 600 dpi for grayscale and 300 dpi for colour. The figures must be placed to the text by the authors.

## 13. Tables

Table number and the caption should be placed above the tables correspondingly. The tables must be placed to the text by the authors. Please be sure that the data presented in tables do not duplicate results described elsewhere in the text.

## 14. Colour

Figures will appear in black-and-white in the print edition of the Journal unless otherwise specified. However, they will appear in colour in the online edition if colour originals are supplied.

## 15. General guidelines

- a. Supporting materials (*as appropriate*), (*please download the template from the website of journal*)
- b. SI units should be used in the whole text unless otherwise specified. These units should not italicized (except *m/z* for mass range in MS). Some common units are °C, GC, GC/MS, HPLC, TLC, UV, IR, FTIR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, CD, FID, TC, EC, [α]<sub>D</sub> Temp, μm, nm, cm<sup>-1</sup>, m, μL, mL, L, mg, g, °C/min, kg/ha, min, eV, ppm, ppb, etc. c. Plant family name should be written as only first letter is capital but not in Italic (*e.g. Lamiaceae, Apiaceae, etc.*).
- c. Plant genus name should be written in Italic as only first letter is capital (*e.g. Salvia, Heracleum, etc.*).
- d. Plant species name should be written in Italic as all small letters (*e.g. Laurus nobilis, Artemisia absinthium, etc.*)
- e. Subspecies and variety abbreviations should not be written in Italic form (*e.g. Salvia angustifolia var. glabra, Mentha arvensis subsp. canadensis, etc.*).
- f. Each section headings should be concise and numbered sequentially, using a decimal system for subsections (*e.g. 1. Introduction, 2. Materials and Methods, 2.1. Plant Materials, 2.5. Numerical Cluster Analysis, etc.*).
- g. When essential oil compositions are tabulated, common compound names should be used.
- h. If abbreviations, upper case or lower case characters or symbols are used in the table, they should be explained at the bottom of the table as a deep note.

#### **16. Supplementary online material**

Authors are welcome to submit supplementary materials like chromatographic or spectroscopic data, graphics, tables, photos, animations, movie or sound files or any additional information for online publication.

#### **17. Copyrights**

The authors must approve the copyright transfer issue during submission via PAMS.

Please note that ACG Publications does not accept further corrections on it after proof corrections. If authors request further corrections after it, they have to pay 1500 USD corrections fee.

If the authors are using any copyrighted materials in their manuscript, they are themselves responsible for obtaining permission to reproduce copyright material from the owner or other sources.

#### **18. Manuscript submission**

Manuscripts submissions should be done via PAMS system.

#### **19. Proof Corrections and Fee**

For publication fee please visit the instruction for authors page of journal.