

## E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE



**DEPARTMENT : CHEMISTRY**

**ACTIVITY : FACULTY EXCHANGE PROGRAMME**

**YEAR : 2022-2023**

### DEPARTMENT OF CHEMISTRY

| DATE   | TIME                          | VENUE   |
|--|-------------------------------|---|
| 13.10.2022<br>14.10.2022<br>28.10.2022             | 10:00 a.m.<br>to<br>4:00 p.m. | E.M.G Yadava Women's College<br>&<br>Yadava College, Madurai.   |
| <b>Theme</b>                                       |                               | To make collaborative learning and exchange of subject knowledge  |
| <b>Nature of the Activity</b>                      |                               | Faculty Exchange Programme  |
| <b>Title</b>                                       |                               | General Physical Properties, Dyes, and Group Theory   |
| <b>Name of the Convener</b>                        |                               | <b>Dr.S.Manimekalai</b><br>Head & Assistant Professor of Chemistry<br>EMGYWC  |
| <b>Organizing Secretary</b>                        |                               | <b>Dr.A.Krishnaveni</b><br>Head & Assistant Professor of Chemistry<br>Yadava College, Madurai   |
| <b>Resource Persons</b>                            |                               | <b>Dr.S.Manimekalai</b><br>Head & Assistant Professor of Chemistry<br>EMGYWC<br><b>Dr.P.Bhuvaneshwari</b><br>Assistant Professor of Chemistry<br>EMGYWC<br><b>Dr. G.Sudha</b><br>Assistant Professor of Chemistry<br>Yadava College,<br>Madurai |
| <b>Collaborating Department &amp; Institutions</b> |                               | <b>Academic Collaboration (MoU)</b><br>Department of Chemistry,<br>Yadava College, Madurai  |

| Our College |          | Other Institution |          |
|-------------|----------|-------------------|----------|
| Faculty     | Students | Faculty           | Students |
| 2           | 34       | 1                 | 64       |

## **FACULTY EXCHANGE PROGRAMME**

### **Objective:**

To deepen participants' understanding of the general physical properties of matter, dyes, and group theory.

To enhance theoretical knowledge and practical skills among faculty members through collaborative learning and exchange of expertise.

### **Report:**

The programme focused on equipping participants with comprehensive insights into viscosity and refractive index manipulation, the color and constitution of dyes, and their diverse applications across industries such as textiles, leather, paints, photographs, cosmetics, pharmaceuticals, biological stains, and food. Additionally, participants were introduced to essential mathematical tools used in quantum chemistry and spectroscopy to further enrich their scientific proficiency.

Furthermore, the programme facilitated interdisciplinary collaboration among faculty members, promoting knowledge sharing and synergistic academic pursuits. Participants leveraged their newfound expertise to enrich curriculum development and enhance student learning experiences. The exposure to mathematical tools in quantum chemistry and spectroscopy enhanced participants' analytical capabilities, preparing them to address complex scientific challenges effectively.

### **Programme Outcome:**

- The Faculty Exchange Programme yielded significant positive outcomes. Participants, including faculty members, gained enhanced proficiency in manipulating viscosity and refractive index, thereby improving their grasp of the physical properties of matter.
- They acquired in-depth knowledge of dye chemistry, understanding the intricacies of dye coloration and its applications in various practical fields. This knowledge broadened their perspectives on integrating theoretical principles with real-world applications, fostering innovative approaches in research and teaching.

The Faculty Exchange Programme successfully achieved its objectives of advancing participants' theoretical knowledge and practical skills in general physical properties, dyes, and group theory. It catalyzed collaborative research efforts and

## **E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**

contributed to the academic enrichment of faculty members, thereby exploring a dynamic learning environment and promoting scientific innovation.



**Photographs:**

**MoUFEP: Dr.S.Manimekalai, Assistant Professor of Chemistry, EMGYWC  
Teaches "Physical Properties and Chemical Constitution"  
@ Yadava College, Madurai on 13.10.2022**

**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**



**MoUFEP: Dr.P.Bhuvanewari, Assistant Professor of Chemistry, EMGYWC Teaches "Dyes" at Yadava College on 14.10.2022**



**MoUFEP: Dr. G.Sudha, Assistant Professors of Chemistry, Yadava College, Teaches "Group Theory" at EMGYWC on 28.10.2022**

# E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE

Enclosures:

Invitation:



**E.M.G YADAVA WOMEN'S COLLEGE, MADURAI - 625014**  
(An Autonomous Institution – Affiliated to Madurai Kamaraj University )  
Re- accredited (3<sup>rd</sup> cycle) with Grade A<sup>+</sup> & CGPA 3.51 by NAAC

**COLLABORATION WITH  
DEPARTMENT OF CHEMISTRY  
YADAVA COLLEGE, THIRUPPALAI, MADURAI**  
(Aided Autonomous Co-education Institution-Affiliated with Madurai Kamaraj University)  
Re-accredited with Grade B<sup>+</sup> by NAAC



**ORGANIZES  
FACULTY EXCHANGE PROGRAMME**

**On the topic of  
GENERAL PHYSICAL PROPERTIES  
DYES & GROUP THEORY**

DATE:13.10.2022  
14.10.2022  
28.10.2022

**Convener**  
**Dr.(Mrs).S.Manimekalai**  
Head of the Department  
E.M.G Yadava womens College  
**Dr. A.Krishanaveni**  
Head of the Department

**Dr.M.Narayanan**  
Principal(i/c)  
Yadava College

**With Regards**  
**Dr.(Mrs) V .Pushpalatha**  
Principal(i/c)  
E.M.G Yadava womens College

# E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE

## Feedback:

**E.M.G.YADAVA WOMEN'S COLLEGE, MADURAI-625014**  
 (An Autonomous Institution -Affiliated to Madurai Kamaraj University)  
 Re-accredited (3<sup>rd</sup> Cycle) with Grade A\* and CGPA 3.51 by NAAC

**Feedback Form**


Topic: Physical Properties and Chemical Constitution  
 Department of Chemistry  
 Resource Person: Dr.S.Manimekalai, Assistant Professor of Chemistry Date: 13-10-22

| S.No | Name of the student         | College Name   | Feedback  |
|------|-----------------------------|----------------|---|
| 1.   | G. Alagesan (12022013)      | Yadava college | Very nice and interesting                                 |
| 2    | S.Arun (12022018)           | Yadava college | Easy to understand.                                       |
| 3    | M. Pravin Kumar (12022025)  | Yadava college | Explains clearly<br>Easy to understand<br>Explain clearly |
| 4.   | P. Prabhakar (12022019)     | Yadava college | Very useful time  |
| 5.   | P. Pankaj (12022020)        | Yadava college | Very nice and useful class                                |
| 6.   | R. Manoj Kumar (12022014)   | Yadava college | Easy to understand<br>Explain clearly                     |
| 7.   | A. Harisharan (12022020)    | Yadava college | Very useful class   |
| 8.   | P. Navaneetham (12022020)   | Yadava college | Very interesting class                                    |
| 9.   | K. Raja (12022020)          | Yadava college | Easy to understand, nice                                  |
| 10.  | T. Gamil Selvan (12022020)  | Yadava college | This very useful class                                    |
| 11.  | J. JEGARISH (12022018)      | Yadava College | Very very useful class                                    |
| 12.  | K. Shayanth (12022020)      | Yadava college | Nice thank you  |
| 13.  | P. Thiruvallugam (12022027) | Yadava college | Very nice class.  |
| 14.  | M. SANJAY (12022016)        | Yadava college | Good class  |
| 15.  | R. Ananthan (12022020)      | Yadava college | Good  |
| 16.  | N. Sivakalan (12022020)     | Yadava college | Good Thank you for your teach.                            |

**E.M.G.YADAVA WOMEN'S COLLEGE, MADURAI-625014**  
 (An Autonomous Institution -Affiliated to Madurai Kamaraj University)  
 Re-accredited (3<sup>rd</sup> Cycle) with Grade A\* and CGPA 3.51 by NAAC

|     |                           |                |   |
|-----|---------------------------|----------------|---|
| 1   | M. Ananthi (12022003)     | Yadava College | It is easy to understand the topic & well teaching    |
| 2   | K. Jayaswari (12022006)   | Yadava college | I understand easily by the way of your teaching       |
| 3   | R. Senthya (12022011)     | Yadava college | I easily understand the topic & teaching is very well |
| 4   | S. Narugeswari (12022008) | Yadava college | Very easily understood you are speak in very well.    |
| 5.  | M. Vanthini (12022009)    | Yadava college | Very nice speech mam. I am understand mam             |
| 6   | S. Ananthi (12022002)     | Yadava college | Excellent speech. I learn easily. Thank for           |
| 7.  | K. Vaidyanthi (12022012)  | Yadava college | Very nice speech mam. I am understand mam             |
| 8.  | A. Harisharan (12022005)  | Yadava college | Easy to understand your teach                         |
| 9.  | V. Anantha (12022004)     | Yadava college | Very useful and good talking                          |
| 10. | V. Raja (12022005)        | Yadava college | Your teaching is very useful                          |
| 11. | V. Ananthi (12022005)     | Yadava college | Teaching was good & easy                              |

## E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE

|  <b>E.M.G.YADAVA WOMEN'S COLLEGE, MADURAI-625014</b><br>(An Autonomous Institution –Affiliated to Madurai Kamaraj University)<br>Re-accredited (3 <sup>rd</sup> Cycle) with Grade A* and CGPA 3.51 by NAAC |                               |                |   |
|---|-------------------------------|----------------|---|
| 1   | C. Theaneshwar (12022036)     | Yadava College | Easily understandable   |
| 2   | R. Sankosh (12022030)         | Yadava college | Teaching was good   |
| 3   | R. Pradeep (12022024)         | "              | "   |
| 4   | K. Sankara Pandi (12022025)   | "              | Very useful   |
| 5   | R. Pradeep (12022024)         | Yadava college | good teaching   |
| 6   | C. Vishnuvardhan (12022038)   | Yadava college | Teaching is very enthusiastic to us and we learnt more. It's thankful for always. Thank you for everything. Please visit again soon. My kind request. |
| 7   | N. Santhana Kumari (12022028) | Yadava college | Very usefully   |

| Mou –Programme-Feed Back Form<br>E.M.G Yadava Women's College.<br>Madurai-14.<br>Topic : DYES<br>Lecturer: Dr. BHUVANESWARI Assistant Professor Date : 14-10-22 |                               |                    |                                    |
|---|-------------------------------|--------------------|------------------------------------|
| S.No  | Name                          | Class              | Remarks                            |
| 1   | R. Sankosh (12022030)         | II B.Sc Chemistry  | Teaching was good.                 |
| 2   | N. Santhana Kumari (12022028) | III B.Sc Chemistry | useful                             |
| 3   | C. Vishnu vardhan (12022038)  | III B.Sc Chemistry | Enthusiastic and useful            |
| 4   | M. SANJAY (12022026)          | III B.Sc Chemistry | Interesting                        |
| 5   | K. Sankara Pandi (12022025)   | III B.Sc Chemistry | Very useful                        |
| 6   | K. Raja (12022026)            | III - B.Sc. Chem.  | Nice teaching                      |
| 7   | P. Lakshmi Pandi (12022023)   | III - B.Sc. Chem.  | Very useful                        |
| 8   | N. Pravin Raja (12022025)     | III - B.Sc. Chem.  | Teaching was good                  |
| 9   | P. Naveen Kumar (12022029)    | III - B.Sc. Chem.  | Interesting                        |
| 10  | R. Tennarasu (12022039)       | III - B.Sc. Chem.  | Very useful                        |
| 11  | C. Theaneshwar (12022036)     | III - B.Sc. Chem.  | good teaching                      |
| 12  | S. Jegadosh (12022020)        | III - B.Sc. Chem.  | Easily understandable              |
| 13  | R. Pradeep (12022024)         | III - B.Sc. Chem.  | useful                             |
| 14  | N. Sivakalan (12022033)       | III - B.Sc. Chem.  | Teaching is very well and learned. |
| 15  | G. Tanikeshan (12022024)      | III - B.Sc. Chem.  | Easily understood                  |

**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**


| S.No | Name                    | Class               | Remarks                               |
|------|-------------------------|---------------------|---------------------------------------|
| 1    | M. Aswathi 12022003     | III BSc Chemistry   | It is very useful for me              |
| 2    | S. Ananthi 12022002     | III BSc Chemistry   | useful to me                          |
| 3    | S. Harshavathi 12022005 | III B.Sc. Chemistry | Easy to understand                    |
| 4    | K. Veladurathi 12022012 | III BSc Chemistry   | Nice & speech                         |
| 5    | R. Santhiya 12022011    | III BSc Chemistry   | Explain & teaching is very well       |
| 6    | M. Vanthini 12022009    | III BSc Chemistry   | Useful nam. speak to family.          |
| 7    | S. Narugeswari 12022008 | III B.Sc Chemistry  | Improve to teaching skills            |
| 8    | K. Vishanthi 12022010   | III B.Sc Chemistry  | I understand w <sup>th</sup> teaching |
| 9    | V. Brundha 12022004     | III B.Sc Chemistry  | Your teaching is very useful.         |
| 10   | V. Mega 12022007        | III B.Sc Chemistry  | Very use full your speak              |
| 11   | S. Anun 12022014        | III BSc Chemistry   | Good voice.                           |
| 12   | K. Dhayanithi 12022018  | III B.Sc Chemistry  | Nice                                  |
| 13   | A. Harisharan 12022019  | III B.Sc Chemistry  | Easy to understand.                   |
| 14   | G. Aagesan 12022013     | III B.Sc Chemistry  | Very nice.                            |
| 15   | R. Asarultheen 12022016 | III B.Sc Chemistry  | Easy to understand                    |
| 16   | P. Deepa 12022017       | III B.Sc. Chem      | Very useful time                      |



# E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE

## Nominal Roll of Participants:

### 1. Participants of Yadava College:

|  <b>E.M.G. YADAVA WOMEN'S COLLEGE, MADURAI – 625 014.</b><br>(An Autonomous Institution – Affiliated to Madurai Kamaraj University)<br>Re-accredited (3 <sup>rd</sup> Cycle) with Grade A* and CGPA 3.51 by NAAC |                  |            |                         |
|---|------------------|------------|-------------------------|
| MoUFEP: "Physical Properties and Chemical Constitution" - 13.10.2022  |                  |            |                         |
| S.No.   | NAME             | DEPARTMENT | PLACE                   |
| 1.  | G.Alagesan       | Chemistry  | Yadava College, Madurai |
| 2.  | S. Arun          | Chemistry  | Yadava College, Madurai |
| 3.  | M.Pravin Raja    | Chemistry  | Yadava College, Madurai |
| 4.  | P.DeenaDayalan   | Chemistry  | Yadava College, Madurai |
| 5   | P.PaulPandi      | Chemistry  | Yadava College, Madurai |
| 6   | R.Thennarasu     | Chemistry  | Yadava College, Madurai |
| 7   | A.Hariharan      | Chemistry  | Yadava College, Madurai |
| 8   | P.Naveenkumar    | Chemistry  | Yadava College, Madurai |
| 9   | K.Raja           | Chemistry  | Yadava College, Madurai |
| 10  | T.Tamilselvam    | Chemistry  | Yadava College, Madurai |
| 11  | J.Jegadesh       | Chemistry  | Yadava College, Madurai |
| 12  | K.Dhayanithi     | Chemistry  | Yadava College, Madurai |
| 13  | P.Thiruvagasam   | Chemistry  | Yadava College, Madurai |
| 14  | M.Sanjay         | Chemistry  | Yadava College, Madurai |
| 15  | R.Asarutheen     | Chemistry  | Yadava College, Madurai |
| 16  | N.Sivabalan      | Chemistry  | Yadava College, Madurai |
| 17  | M.Aswathi        | Chemistry  | Yadava College, Madurai |
| 18  | K.Jayasurya      | Chemistry  | Yadava College, Madurai |
| 19  | R.Santhiya       | Chemistry  | Yadava College, Madurai |
| 20  | S.Murugeswari    | Chemistry  | Yadava College, Madurai |
| 21  | M.Nanthini       | Chemistry  | Yadava College, Madurai |
| 22  | S.Ananthi        | Chemistry  | Yadava College, Madurai |
| 23  | K.Veeraduraichi  | Chemistry  | Yadava College, Madurai |
| 24  | S.Harshawarthini | Chemistry  | Yadava College, Madurai |

## E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE

|     |                  |           |                         |
|-----|------------------|-----------|-------------------------|
| 25  | V.Brintha        | Chemistry | Yadava College, Madurai |
| 26  | U.Maga           | Chemistry | Yadava College, Madurai |
| 27  | K.Nishanthi      | Chemistry | Yadava College, Madurai |
| 28. | C.Dhianeshwar    | Chemistry | Yadava College, Madurai |
| 29. | R.Santhosh       | Chemistry | Yadava College, Madurai |
| 30  | K.Sankarapandi   | Chemistry | Yadava College, Madurai |
| 31  | R.Pradeep        | Chemistry | Yadava College, Madurai |
| 32  | C.Vishnuvarthan  | Chemistry | Yadava College, Madurai |
| 33  | N.Sanathanakumar | Chemistry | Yadava College, Madurai |

| MoUFEP: "Dyes" at Yadava College on 14.10.2022 |                  |            |                         |
|--|------------------|------------|-------------------------|
| S.No.  | NAME             | DEPARTMENT | PLACE                   |
| 1.   | R. Santhosh      | Chemistry  | Yadava College, Madurai |
| 2.   | N.Sanathanakumar | Chemistry  | Yadava College, Madurai |
| 3.   | C. Vishnu        | Chemistry  | Yadava College, Madurai |
| 4.   | M.Sanjay         | Chemistry  | Yadava College, Madurai |
| 5  | K.SankaraPandian | Chemistry  | Yadava College, Madurai |
| 6  | K.Raja           | Chemistry  | Yadava College, Madurai |
| 7  | P.PaulPandi      | Chemistry  | Yadava College, Madurai |
| 8  | M.Pravin Raja    | Chemistry  | Yadava College, Madurai |
| 9  | P.Naveen Kumar   | Chemistry  | Yadava College, Madurai |
| 10   | R.Thennarasu     | Chemistry  | Yadava College, Madurai |
| 11   | C.Thiaeshwar     | Chemistry  | Yadava College, Madurai |
| 12   | J.Jeagdes        | Chemistry  | Yadava College, Madurai |
| 13   | R.Pradeep        | Chemistry  | Yadava College, Madurai |
| 14   | N.Sivabalan      | Chemistry  | Yadava College, Madurai |
| 15   | T.Tamilselvan    | Chemistry  | Yadava College, Madurai |

## E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE

|    |                  |           |                         |
|----|------------------|-----------|-------------------------|
| 16 | M.Aswathi        | Chemistry | Yadava College, Madurai |
| 17 | S.Ananthi        | Chemistry | Yadava College, Madurai |
| 18 | S.Harshavarthini | Chemistry | Yadava College, Madurai |
| 19 | K.Velladuraichi  | Chemistry | Yadava College, Madurai |
| 20 | R.Santhiya       | Chemistry | Yadava College, Madurai |
| 21 | M.Nanthini       | Chemistry | Yadava College, Madurai |
| 22 | S.Murugeswari    | Chemistry | Yadava College, Madurai |
| 23 | K.Nishanth       | Chemistry | Yadava College, Madurai |
| 24 | V.Brundha        | Chemistry | Yadava College, Madurai |
| 25 | U.Mega           | Chemistry | Yadava College, Madurai |
| 26 | S.Arun           | Chemistry | Yadava College, Madurai |
| 27 | K.Dhayanithi     | Chemistry | Yadava College, Madurai |
| 28 | A.Hariharan      | Chemistry | Yadava College, Madurai |
| 29 | G.Alagesan       | Chemistry | Yadava College, Madurai |
| 30 | R.Asarutheen     | Chemistry | Yadava College, Madurai |
| 31 | P.Deenadayalan   | Chemistry | Yadava College, Madurai |

### 2. Participants of EMGYWC:

| MoUFEP: Group Theory" at EMGYWC on 28.10.2022 |                 |                |            |
|---|-----------------|----------------|------------|
| S.No.   | REGISTER NUMBER | NAME           | DEPARTMENT |
| 1   | 20CHE01         | A.Akshaya Sri  | Chemistry  |
| 2   | 20CHE03         | G.Chellapetchi | Chemistry  |
| 3   | 20CHE04         | P.Dhanalakshmi | Chemistry  |
| 4   | 20CHE05         | M.Dhesika      | Chemistry  |
| 5   | 20CHE07         | M.Gowsalya     | Chemistry  |

**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**

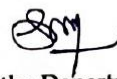
|    |         |                      |           |
|----|---------|----------------------|-----------|
| 6  | 20CHE08 | K.Gunalakshmi        | Chemistry |
| 7  | 20CHE09 | M.Harini             | Chemistry |
| 8  | 20CHE10 | M.Harini             | Chemistry |
| 9  | 20CHE11 | C.JanaBharathi       | Chemistry |
| 10 | 20CHE12 | M.Kaavitha           | Chemistry |
| 11 | 20CHE13 | M. Kameshwari        | Chemistry |
| 12 | 20CHE14 | M.Keerthana          | Chemistry |
| 13 | 20CHE15 | T.Keerthana          | Chemistry |
| 14 | 20CHE16 | E.ManishaPraba       | Chemistry |
| 15 | 20CHE17 | P.Mathumitha         | Chemistry |
| 16 | 20CHE18 | T.Mohanalakshmi      | Chemistry |
| 17 | 20CHE19 | E.Monisha            | Chemistry |
| 18 | 20CHE22 | R.PonKamali          | Chemistry |
| 19 | 20CHE23 | D.Pradeepa           | Chemistry |
| 20 | 20CHE24 | S.Praveena           | Chemistry |
| 21 | 20CHE25 | M.Ragavi             | Chemistry |
| 22 | 20CHE26 | R.Ragavi             | Chemistry |
| 23 | 20CHE28 | M.Rashika            | Chemistry |
| 24 | 20CHE29 | J.Sangeetha          | Chemistry |
| 25 | 20CHE30 | M.Sangeetha          | Chemistry |
| 26 | 20CHE31 | S. Sankari           | Chemistry |
| 27 | 20CHE32 | S. SanthanaMeenakshi | Chemistry |
| 28 | 20CHE33 | A.SasiPreetha        | Chemistry |
| 29 | 20CHE34 | I.SathiyaPriya       | Chemistry |
| 30 | 20CHE35 | S.Sharmili           | Chemistry |

**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**

|    |         |               |           |
|----|---------|---------------|-----------|
| 31 | 20CHE36 | S.Subarna     | Chemistry |
| 32 | 20CHE37 | K.Sushma Devi | Chemistry |
| 33 | 20CHE38 | M.Swetha      | Chemistry |
| 34 | 20CHE39 | T.Yogeshwari  | Chemistry |

Coordinator: *Dr. A. Ramya*

*Dr. P. Bhuvaneshwari*



Head of the Department



PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014